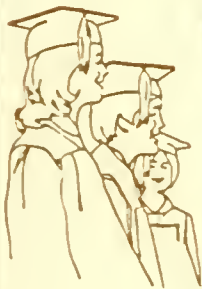


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# MONTANA SUPPLY/DEMAND REPORT

Fifth Edition  
October, 1988



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Montana State  
Occupational  
Information  
Coordinating  
Committee



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MONTANA  
SUPPLY/DEMAND  
REPORT

October, 1988

State of Montana  
Ted Schwinden, Governor

Department of Labor and Industry  
M.M. "Peg" Hartman, Commissioner

Produced by:

The Montana State Occupational  
Information Coordinating  
Committee (SOICC)  
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Department of Commerce

State Job Training  
Coordinating Council

\* \* \* \* \*

Robert N. Arnold, Program Officer

October, 1988

## ACKNOWLEDGEMENTS

The information contained within this publication would not have been possible without the joint effort and cooperation of the Montana SOICC's Technical Steering Committee (TSC). The TSC consists of representatives from the SOICC's six member agencies, and they are recognized for their continued guidance and support. Current TSC members include:

- o Phil Brooks, Office of Research and Information Services, Department of Commerce
- o Rick Deady, Employment Policy Division, Department of Labor and Industry
- o Paul Dunham, Office of the Commissioner of Higher Education, University System
- o Mickey Hines, Job Service Division, Department of Labor and Industry
- o Bob Jahner, Rehabilitative Services Division, Department of Social and Rehabilitation Services
- o Leonard Lombardi, Department of Administrative Vocational Education Services, Office of Public Instruction
- o Bob Rafferty, Research and Analysis Bureau, Employment Policy Division, Department of Labor and Industry
- o Anne Wolfinger, Montana Career Information System

Special thanks are extended to the staff people at the Montana Career Information System; the Office of the Commissioner of Higher Education, Montana University System; the Office of Research and Information Services, Department of Commerce; the Research and Analysis Bureau and the Job Service Division, Montana Department of Labor and Industry; Department of Administrative Vocational Education Services, Montana Office of Public Instruction, and the Rehabilitative Services Division, Montana Department of Social and Rehabilitation Services. All offered valuable insight into the needs of the audiences and users they serve.

The efforts of Kate Kahle, SOICC Data Base Technician, have made a considerable contribution to this publication. Kate updated, edited, typed, proofread, and assisted in writing much of the information contained within the 1988 edition of the "Montana Supply/Demand Report."

## Points to Remember About the Montana SOICC

- o The Montana SOICC is a committee.
- o The SOICC and its work are really an extension of each of its member agencies and their individual agency work.
- o All of the SOICC's work is accomplished through interagency cooperation.
- o The SOICC compiles data from many agencies, then processes and analyzes the data in a technically appropriate manner to produce information usable by program planners, administrators and people making career decisions.
- o The SOICC's work minimizes duplication between agencies and improves the availability of useful information (particularly important in times of reduced budgets).
- o The SOICC provides a formal structure that links the work done by education and labor agencies in Montana.
- o The SOICC is responsible for designing, implementing, and maintaining a statewide, comprehensive Occupational Information System (OIS) based on current supply (workers) and demand (jobs).

For further information, write or call:

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## Introduction

A continuing challenge facing education and training institutions is to identify, design, and offer training programs that serve both the needs of individual participants and the needs of the economy and society as a whole. It is crucial that training programs designed to prepare individuals for specific occupations be realistic in light of anticipated job openings (demand) and the expected number of persons available for and prepared to fill them (supply).

While a number of factors must be considered in the design of training strategies, it is clear that occupational information can serve as a valuable asset to the planner. Recent legislation--in particular, the Carl Perkins Vocational Education Act of 1984 and the Job Training Partnership Act (JTPA) of 1982--have stressed the value of providing and using occupational information. By mandating the development of national, state and local occupational information systems (OIS), the common occupational needs of vocational education and employment and training programs can be met, and special attention to the labor market information needs of youth and adults can also be given.

An OIS adds an important dimension to planning processes because it provides comprehensive data on current and anticipated labor market conditions. Access to this information has several potential benefits for education and training institutions. For example, it may enable these institutions to play a greater role in economic development efforts or to respond to employers' needs in a more systematic and timely fashion. The OIS offers planners a broad perspective of employment needs and an efficient means of learning about local labor market conditions.

An OIS, however, cannot provide a planner with a definite quantitative indicator of what to do about a program (for example, "30 additional people need to be trained in program X"). Analysis and interpretation of possible causes for labor imbalances is not an exact science. Judgment, reason, and the experience of the planner, program advisory groups, and others all need to be considered in analyzing occupational information as a factor in program planning decisions.

An OIS can help planners make better informed decisions. It saves time and increases efficiency by flagging potential problems and verifying areas that are performing well. This allows planners to focus their attention and limited resources on areas that require action.

An OIS can also provide planners with documentation to justify program decisions and thus aid in obtaining approval of plans and funding. In times of limited resources, demonstrating the potential impact of a program on the economy of the community and the state could prove to be a critical point in obtaining funding. Use of a comprehensive integrated OIS can help planners justify decisions on the basis of economic impact and answer questions that may be raised in the plan approval process.

The data can also help identify potential trouble spots in the performance of programs and related labor market conditions that may be causing them. OIS information can help educational planners develop programs that address the real and emerging needs of the economy.

Local governments can use information about employment, the supply of skilled workers, and the availability of training programs to attract new businesses and industry. The system can provide information on occupational and employment



trends to entrepreneurs who want to start small businesses.

Planning decisions can have broad policy implications and do involve consideration of many factors other than labor market conditions. Among them are:

- Financial resources
- Availability of qualified teachers
- Presence of tenured faculty
- Space
- Facilities
- Equipment
- Materials and curricula
- Student interest

Final recommendations regarding planning decisions frequently involve compromises or trade-offs of some kind between competing goals or objectives. These decisions can only be made by persons involved with and responsible for administering programs. What an OIS can provide is a common data base for coordinated planning within a state and a way for planners to identify and analyze areas that need attention.

The primary purpose for establishing SOICCs was, and continues to be, the development, implementation and maintenance of a comprehensive occupational information system based on supply (workers) and demand (jobs). These data, in conjunction with data from the Montana Career Information System (MCIS), are used to support the career planning, guidance, and job search needs of various target populations.

### Organization of Reports

The reports in this publication are made up of demand, supply, and analysis data.

The reports are organized by clusters. A cluster is the grouping of education/training programs that have common curricula, and common occupations that can be entered as an outcome of the training. Occupational demand, supply, and analysis characteristics are related to each other by being organized into clusters. Montana's OIS currently contains 75 clusters.

The reports are organized alphabetically by major cluster (i.e., Agriculture Cluster, Communications Cluster), then by subcluster (i.e., AG01 Agriculture Business, CM01 Mass Communications). There is a demand, supply, and analysis report for most clusters. (Some clusters, such as "LA01 Liberal Arts and Foreign Languages," may not have Montana data for all reports.)

All reports are identified at the top by what data they represent, e.g., "Demand Report," "Supply Report," or "Analysis Information." The reports also show the cluster title and number.

Title and Code reflect the title of the occupation or training program, in relation to the reporting system being used for each type report.

- Demand: Demand information is reported in Occupational Employment Statistics (OES) code. The OES is an eight-digit code.



- Supply: Supply information is reported in Classification of Instructional Programs (CIP) code. The CIP is a six-digit code.
- Analysis: Analysis information is reported in Dictionary of Occupational Titles (DOT) code. The DOT is a nine-digit code.

A description of data elements for each type of report follows.

### Demand Information

Demand is defined in this report as estimated jobs based on current industry surveys. The demand portion of this report consists of elements defined below.

OES Matrix Code (Occupational Employment Statistics) refers to an eight-digit code derived from an OES five-digit survey code, plus a three-digit suffix number, that is usually--but not always--compatible with other occupational classification structures.

#### Demand Data Elements:

1986 Employ (1986 Employment) refers to the number of people who were employed in Montana by occupation at the time the OES survey was completed.

1995 Employ (1995 Employment) refers to an estimate of the number of people expected to be employed in the corresponding occupation in 1995. These data are computed by incorporating two factors: 1) openings due to growth or decline in the level of occupational demand, and 2) replacement demand resulting from labor force separations. Growth and decline in occupational demand occur because of changes in business/economic conditions and technological advancements. Projections are formulated with procedures established by the U.S. Department of Labor's Bureau of Labor Statistics. Projections are later used to convert industry employment (captured via survey) to occupational employment in each industry. Results are totalled across industries to obtain projected employment by occupation.

Estimated Annual Growth refers to the average annual growth due to business/economic fluctuations and technological advancements.

Estimated Annual Replac (Replacements) refers to job openings that occur as individuals leave their respective occupation because of retirement or death. Job openings which occur due to occupational transfers and migration are not incorporated because valid data are not available at this time.

Estimated Annual Open (Openings) is comprised of two components: 1) job openings resulting from industry growth, and 2) job openings resulting from separation (deaths and retirements). Together, these components comprise total average annual openings by occupation.

Totals contains the cluster total of the demand report. By comparing the cluster total of average annual openings to the supply cluster totals, a comparison of the average annual job openings and the number of individuals trained (and seeking work) in this occupation is shown.

Ultimately, a determination is made to substantiate whether or not training programs should be increased, decreased, or modified using new curricula.

Limitations in OES Data: Occupational employment projections produced by the OES program should not be considered precise measurements, but are "best estimates" based on a sample of Montana employers and historical industry employment trends. OES demand data offers users a standard and useful tool for making planning decisions. There is no source of available data that will give users an exact and current picture of occupational demand in their area. Users of demand data should be aware of the following:

- The data cover non-agricultural wage and salaried workers only (not agriculture or self-employed workers).
- Staffing patterns are based on statewide data and do not reflect possible variations from area to area of the state;
- Data are estimated, based on past trends, and therefore cannot predict unusual current or future economic conditions, or capture new occupations;
- Data should be used as estimates, not as exact figures for a particular point in time for the state; and
- Average annual openings reflect growth and replacement, not current openings due to turnover and mobility.

#### Further OES Information

Montana's 1995 industry/occupation projections were produced to provide reliable estimates of occupational demand. The projections were produced using a matrix based on the OES survey. This matrix deals with employers rather than households.

There are three major components to the Occupational Employment Statistics program:

- 1) Survey of non-farm wage and salary employment. The OES survey involves a periodic mailing of survey forms to non-agricultural employers. This is done in a three-year cycle. Different major industries are surveyed each year so that the entire sample is completed every three years.
- 2) Industry/Occupation matrix of staffing patterns. The matrix is a model representing the occupational staffing patterns of each industry. The staffing patterns are based on the result of the OES survey. An important function of the matrix is that it shows where people work (industries) and what they do (occupations).
- 3) Projections. The third component of the program is the projections, which is the primary goal of the OES program. There are three elements of the projections: industry projections, occupation projections, and job openings. Job openings are made up of openings due to growth and separations from the labor force.

The projections show what is likely to happen barring major changes from past trends. The major economic assumptions used by the U.S. Bureau of Labor Statistics have been observed in these projections. The assumptions

are as follows:

- The institutional framework of our economy will not change radically;
- There will be no major events such as a widespread, long-lasting energy shortage or a war which would significantly alter the industrial structure of our economy or the rate of economic growth; and
- Current technological, scientific, and social trends, such as values placed on work, education, income, and leisure, will continue.

The projection information can help us look into the future with some confidence. It is necessary to match individuals and jobs to decrease unemployment and increase job satisfaction; this could also benefit the business community and taxpayers. Through the use of the information provided, better decisions can be made for the future by having a more realistic knowledge of Montana's employment trends.

### Supply Information

Supply is defined as workers. Current Supply is the number of individuals currently employed in a particular occupation, plus the number of individuals qualified and currently seeking employment in Montana in that occupation. Montana's Occupational Information System (OIS) focuses on those who are trained and available for employment in specific occupations in Montana at given points in time. An explanation of all elements contained within that report follows.

Completers is defined as the number of people completing training programs in Montana. Each training agency reports completers using the six-digit Classification of Instructional Programs (CIP) code. Data in this report are for the school year 1986-1987.

The numbers to the right of the CIP codes reflect the number of completers (supply of workers) trained by the various training agencies.

A common limitation in reporting completers is duplication between reporting agencies. Through studies, it has been determined that the duplication rate for completers is not more than 10% between and among state agency reporting systems.

### Supply Data Elements:

Public Second (Secondary) refers to the number of high school students who have completed a vocational education training program and are available for work in the state. The number of high school completers is an estimate based on an average of two years of actual data (82-83 and 83-84 school years). Funding restraints have curtailed the collection of this data at this time and for the foreseeable future.

Limitations in this report focus on duplication. Class-based reporting systems may result in duplicate program enrollment or completion counts and follow-up data may be used on a limited sample size.



Voc Tech (Vocational Technical) represents completers from the five Vocational Technical Centers statewide. Again, class-based reporting often results in duplicate program enrollment or completion counts. Follow-up data may be based on a limited sample size, and a large number of postsecondary enrollees and completers are employed while learning.

Higher Educ (Higher Education) lists all certificates and degrees conferred from all units of the Montana University System, including universities, state, tribal and community colleges and private colleges. Limitations in this reporting include those mentioned above, unavailable comprehensive follow-up data, and the fact that non-accredited colleges and universities are excluded from reporting systems. Supply information here reflects only the actual number of degrees and certificates awarded.

JTPA (Job Training Partnership Act) refers to information that was compiled using the JTPA client file. We used data for eligible clients who received and completed training in either classroom or on-the-job training (OJT) during a one year period beginning July 1, 1986 and ending June 30, 1987. The data was reported in DOT code and crosswalked to CIP code.

Limitations within this reporting include the fact that the U.S. Department of Labor does not require detail on training programs and clients, and some clients are "recycled" through a number of training programs and could be counted several times because data are not available by Social Security number--only via DOT code. Often, JTPA classroom training occurs through the vocational education system. A JTPA trainee could potentially be counted in vocational education reporting, thus duplicating the counts of the available labor supply for a given occupation.

Job Corps reflects completers from one of three Job Corps training centers statewide. This information shows the number of persons by program category that returned to the state after completing a Job Corps training program or leaving with marketable skills during the period July 1, 1986 to June 30, 1987. A limitation in these data is that Job Corps centers are not required by any state or federal agency to report completer data. Tabulation of this information was done by the National Occupational Information Coordinating Committee (NOICC).

Priv School (Private School) includes completers from private training schools statewide, such as cosmetology schools, real estate schools, tax preparation schools, etc. Limitations: JTPA clients and Vocational Rehabilitation clients enrolled in postsecondary career school programs are counted in their respective management information systems as well as by the SOICC's survey of these schools. Unfortunately, those individuals are counted twice in the report's supply data.

Voc Rehab (Vocational Rehabilitation) refers to completers who have been trained with funds provided by Vocational Rehabilitation in the state. Data is reported by DOT code and crosswalked to CIP code.

Limitations in these data include that clients of Voc Rehab may receive services over an extended period of time and their entry into the labor market is not always known. Some clients may not be

obtaining specific occupational skills; either; some may obtain generic skills that assist in overcoming handicaps. Job restructuring and job tailoring are key ingredients in vocational rehabilitation. After Voc Rehab training, some clients receive more training from other agencies, so the potential for duplication exists here.

Other supply sources not contained in this report, but which should be considered when making program training decisions include:

- Occupational transfers (those who transfer from one occupation to another).
- The number of people who migrate in/out of Montana.
- Job Service applicants: Job Service applicants provide a partial measure of the number of individuals seeking work through various employment agencies. Because the applicants are registered with Job Service, this measure of occupational supply covers only public sector agency registrants. This category is defined in the Analysis Information section of this publication.
- Re-entrants to the labor force due to change in economic conditions (displaced workers).

### Analysis Information

The OIS contains analysis information made up of categories of data that include more definitive sources of occupational information.

Analysis information is printed for each cluster by the nine-digit Dictionary of Occupational Titles (DOT) code. Data in this report are from July 1, 1986 through June 30, 1987.

#### Analysis Data Elements:

Appren (Apprenticeship) information is collected from the Apprenticeship and Training Bureau, Employment Policy Division, Montana Department of Labor and Industry, and the U.S. Department of Labor, Bureau of Apprenticeship and Training. This information contains the number of completers of apprenticeship training programs statewide during a one-year period.

The information presented on apprenticeship program completers may be considered as adding to the supply in certain occupations, particularly in the construction industry where completers become a part of the labor pool for many different employers.

Mil Ret (Military Returnees) information is collected by the Department of Defense (DOD) through the Military Occupational Profile. The DOD captures the total number of people who are returning to Montana after being released from all sectors of the military for the period July 1, 1986 through June 30, 1987. This includes people who retire.

There are military occupations included in the DOD reporting that are not found in Montana's labor force. Although not all occupations in

the military are completely compatible with civilian occupations, they have many transferrable skills and must be considered. Occupations excluded from the analysis reports for compatibility reasons are:

<u>DOT Code</u>	<u>DOT Title</u>
193.382-010	Electronic Intelligence Operations Specialist
378.137-010	Infantry Unit Leader
378.227-018	Survival Specialist
378.367-010	Artillery or Naval Gunfire Observer
378.367-014	Field Artillery Operations Specialist
378.367-030	Reconnaissance Crewmember
378.382-018	Unattended-Ground-Sensor Specialist
378.464-010	Antitank Assault Gunner
378.683-010	Amphibian Crewmember
378.683-014	Powered Bridge Specialist
378.683-018	Tank Crewmember
378.684-014	Combat Rifle Crewmember
378.684-018	Field Artillery Crewmember
378.684-022	Infantry Indirect Fire Crewmember
378.684-026	Infantry Weapons Crewmember
378.684-030	Light Air Defense Artillery Crewmember
632.261-018	Ordnance Artificer
711.281-014	Instrument Mechanic, Weapons System
828.281-018	Missile Facilities Repairer
911.131-010	Boatswain
911.363-014	Quartermaster
911.364-010	Able Seaman
911.584-010	Marine Oiler
912.684-010	Parachute Rigger

Tot App (Total Applicants) and Tot Open (Total Openings) information contains data from the Job Service offices in Montana taken from the Employment Security Automated Reporting System (ESARS) reports. Approximately 95% of all unemployment insurance claimants are registered applicants through the Job Service.

Caution should be used when using this data. ESARS data is reported from Table B96. The specific DOT codes summarized on Table B96 are selected on the basis of importance to employment testing, labor certification, occupational analysis, and labor market information. Generally, the decision to display these DOT codes is based on two criteria:

- 1) Importance to the national labor market in the current program year indicated by receipt of over 1000 job openings in that particular DOT, and
- 2) Importance to program operations in the areas of employment testing, labor certification, occupational analysis, or labor market information during the current program year.

Avg Hrwage (Average Hourly Wage) information is taken from the "Fringe Benefit and Wage Information" publication provided by the Research and Analysis Bureau, Department of Labor and Industry. The information was obtained through a survey of employers doing business in private nonagricultural industries within Montana.

The analysis information should be used in conjunction with the supply of program completers and the estimated annual average job openings, along with any other information available for planning training programs.

### Summary

In summary, statewide supply/demand data are extremely useful as a planning and counseling tool. As mentioned within each data reporting source, these data do have limitations. Each counselor's and planner's professional judgment, combined with all available local data, is paramount in the planning process.

If you encounter problems using this report or have suggestions to improve it, call the Montana SOICC at (406) 444-2741 for further information and explanation.



Montana Occupational and Education/Training  
Program Clusters List

**Agriculture & Forestry Cluster**

AG01 Agriculture Production  
AG02 Agriculture Business  
AG03 Agriculture Mechanics  
AG04 Horticulture & Landscaping  
AG05 Forestry & Lumber Production  
AG06 Fish & Wildlife  
AG07 Animal Care

**Communications Cluster**

CM01 Mass Communications  
CM02 Advertising & Writing  
CM03 Commercial Art & Graphic Art  
CM04 Printing & Photography

**Finance, Insurance, & Real Estate Cluster**

FR01 Finance  
FR02 Insurance  
FR03 Real Estate

**Health Cluster**

HE01 Medical Records  
HE02 Dental Technology  
HE03 Medical Laboratory  
HE04 Licensed Practical Nurse  
HE05 Surgical Technology  
HE06 Nursing Assistant  
HE07 Radiologic Technology  
HE08 Rehabilitation  
HE09 Other Medical Technology  
HE10 Registered Nurse  
HE11 Physician

**Liberal Arts & Languages Cluster**

LA01 Liberal Arts & Foreign Languages  
LA02 History & Philosophy  
LA03 Library Arts  
LA04 Fine Arts  
LA05 Social Sciences

**Marketing Cluster**

MK01 Marketing Management  
MK02 Sales  
MK03 Manufacturing  
MK04 Recreation & Tourism

**Office Management Cluster**

OF01 Bookkeeping & Accounting  
OF02 Clerical Office Practice  
OF03 Office & Information Services  
OF04 Personnel, Labor Relations, & Law  
OF05 Secretarial Office Practice  
OF06 Administration/Office Management  
OF07 Data Entry & Computer Operation  
OF08 Computer Science & Programming

**Protective Service Cluster**

PS01 Emergency Medical Technology  
PS02 Fire & Fire Safety  
PS03 Police Science & Criminology

**Skills Cluster**

SK01 Electrical & Electronic Technology  
SK02 Appliance Repair  
SK03 Welding  
SK04 Carpentry & Construction Trades  
SK05 Heavy Equipment Repair & Operation  
SK06 Transportation & Engine Repair  
SK07 Machine Shop  
SK08 Metalworking  
SK09 Utilities  
SK10 Textiles

**Service Cluster**

SV01 Institutional & Building Service  
SV02 Vehicle Operators & Cleaners  
SV03 Barbering & Cosmetology  
SV04 Child Care Service  
SV05 Teaching, All Levels  
SV06 Food Production  
SV07 Food Service & Management  
SV08 Mortuary Service  
SV09 Theological Service  
SV10 Social Work

**Technology Cluster**

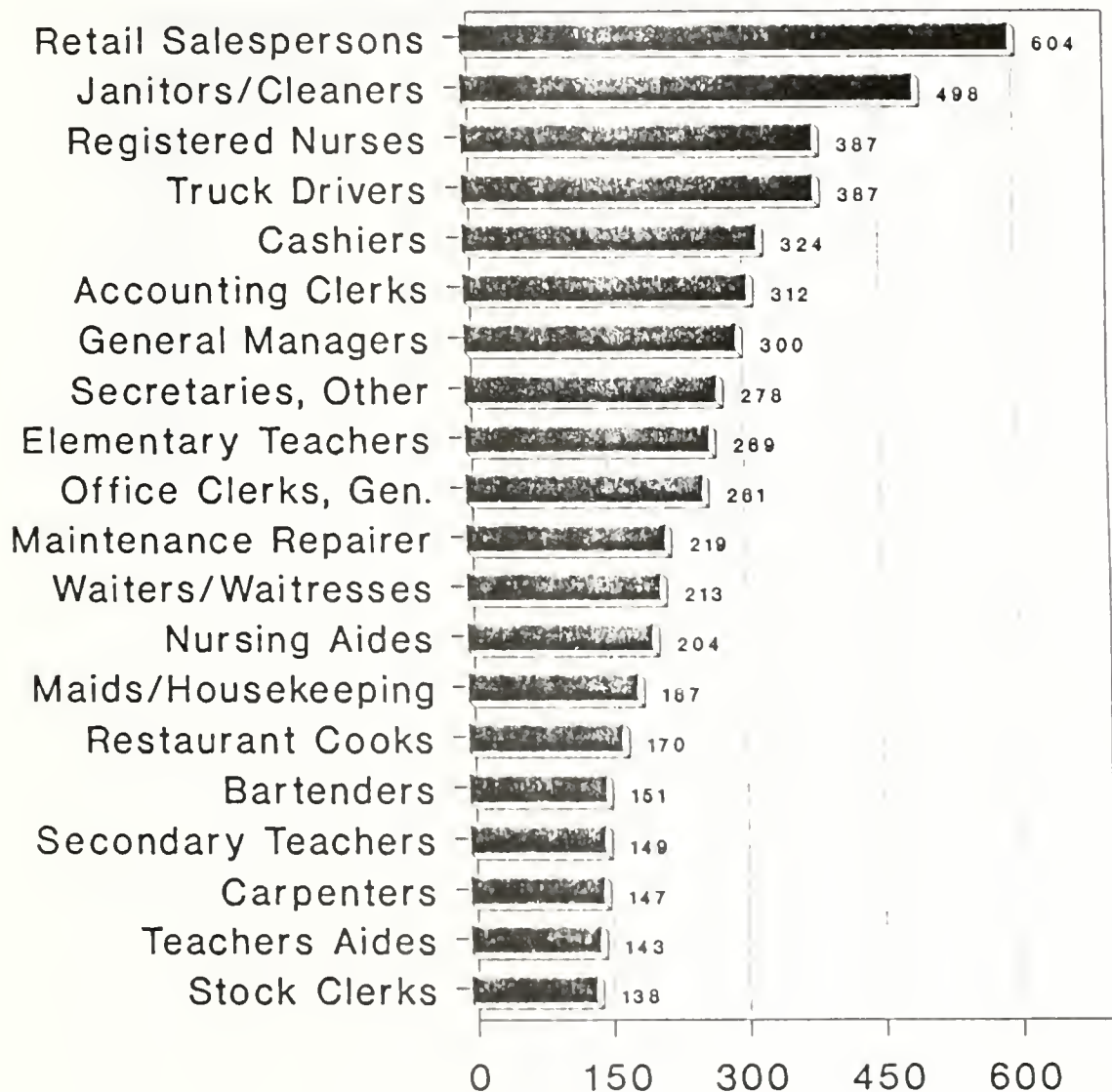
TC01 Power Station Operator  
TC02 Architectural & Civil Technology  
TC03 Chemical Technology  
TC04 Environmental Control Technology  
TC05 Mechanical Technology  
TC06 Precision Instrument Technology  
TC07 Math Technology  
TC08 Aviation  
TC09 Industrial Engineering  
TC10 Natural Resources Technology



# MONTANA

## HIGH GROWTH OCCUPATIONS

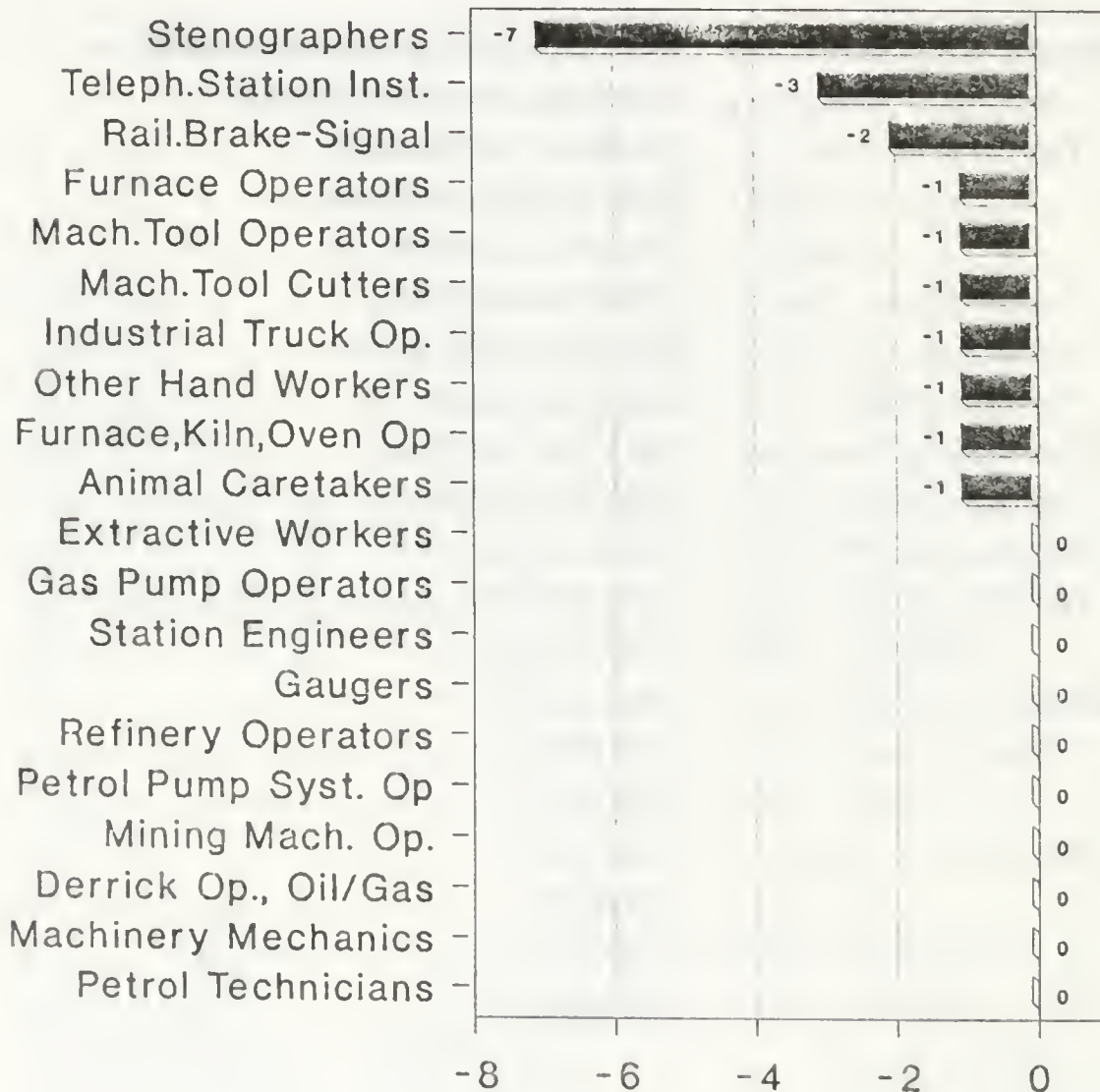
Estimated Annual Openings to 1995



# MONTANA

## DECLINING OCCUPATIONS

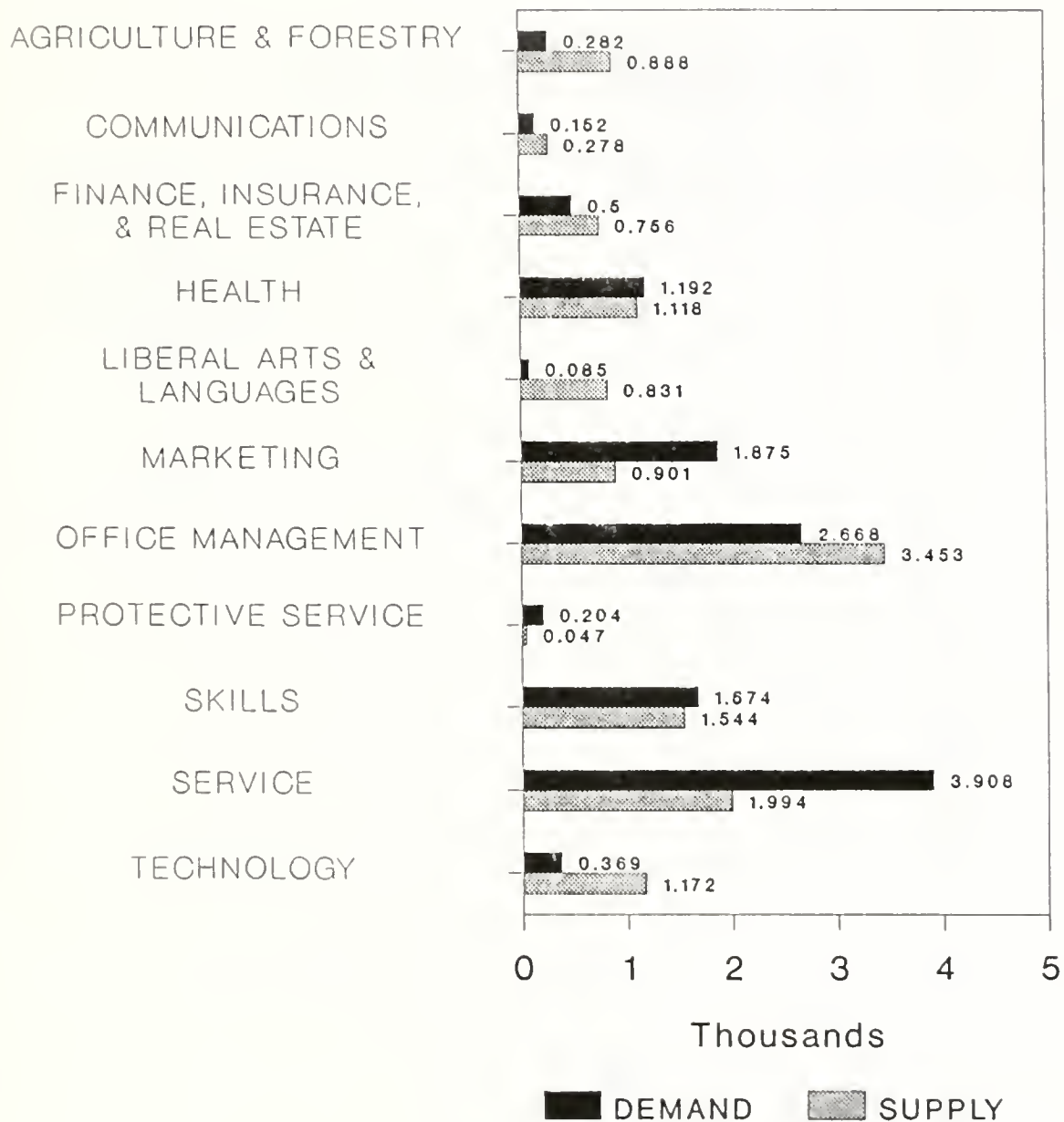
Estimated Annual Openings to 1995



# MONTANA CLUSTERS

## DEMAND VS. SUPPLY

ESTIMATED ANNUAL OPENINGS VS. TRAINING COMPLETERS



10/01/88  
MONTANA OCCUPATIONAL INFORMATION SYSTEM  
D E M A N D     R E P O R T

STATEWIDE

TOTAL ANNUAL OPENINGS--MONTANA

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

ALL CLUSTERS

- OCCUPATION -	<EST. ANNUAL 1986-1995>
T I T L E	OPENINGS
TOTAL--ALL OCCUPATIONS	12909

10/01/88  
MONTANA OCCUPATIONAL INFORMATION SYSTEM  
S U P P L Y     R E P O R T

STATEWIDE

TOTAL TRAINING PROGRAM COMPLETERS--MONTANA

SCHOOL YEAR 1986-87

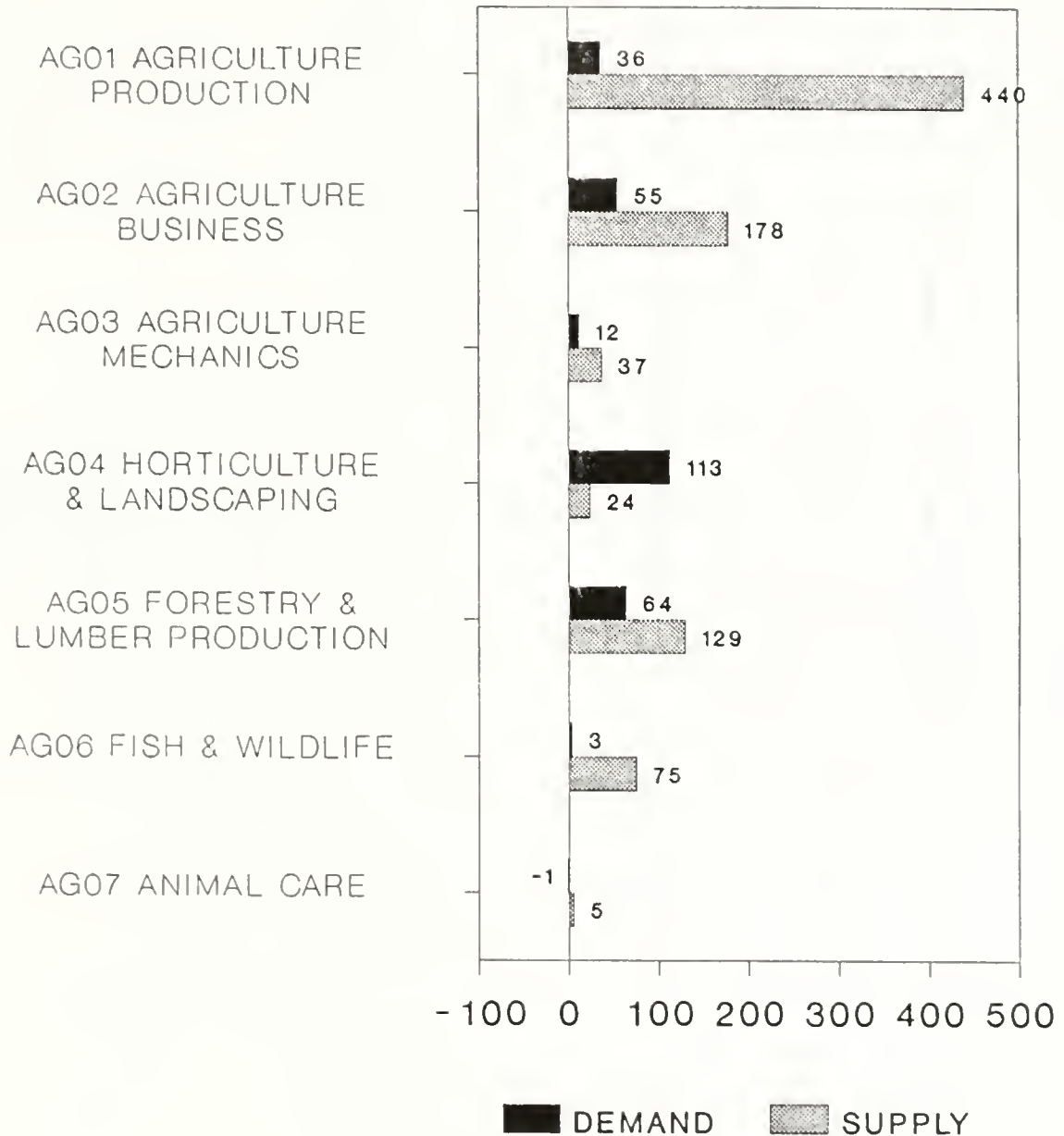
ALL CLUSTERS

- PROGRAM -	TOTAL
T I T L E	ALL TRAINING SOURCES
TOTAL--COMPLETERS	12982

# AGRICULTURE CLUSTERS

## DEMAND VS. SUPPLY

ESTIMATED ANNUAL OPENINGS VS. TRAINING COMPLETERS





10/01/88  
MONTANA OCCUPATIONAL INFORMATION SYSTEM  
D E M A N D     R E P O R T

STATEWIDE

CLUSTER TITLE: AGRICULTURE PRODUCTION

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE AG01

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL 1986-1995> GROWTH    REPLAC    OPEN		
AGRICULTURAL & FOOD SCIENTI	24305078	184	210	3	4	7
BIOLOGICAL, AGRIC., FOOD TE	24502223	140	152	1	3	4
GRADERS & SORTERS, AGRIC.PR	79011475	7	8	0	1	1
FARM EQUIPMENT OPERATORS	79021496	5	5	0	0	0
ALL OTHER AGRIC., FOREST, FIS	79999495	506	559	6	18	24
TOTALS		842	934	10	26	36

10/01/88  
MONTANA OCCUPATIONAL INFORMATION SYSTEM  
S U P P L Y     R E P O R T

STATEWIDE

CLUSTER TITLE: AGRICULTURE PRODUCTION

SCHOOL YEAR 1986-87

CLUSTER CODE AG01

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
AGRICULTURAL PRODUCT	01.0301	408							408
ANIMAL PRODUCTION	01.0302				16			3	19
CROP PRODUCTION	01.0304				5			1	6
BOTANY, GENERAL	26.0301			5					5
PLANT PATHOLOGY	26.0305			2					2
***TOTALS		408		7	21			4	440

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MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: AGRICULTURE PRODUCTION

CLUSTER CODE AG01

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
162.167-010	MANAGER, GRAIN ELEVATOR	0	0	0	0	7.29
403.687-018	HARVEST WORKER, FRUIT	0	0	17	1	N.A.
404.687-010	FARMWORKER, FIELD CROP II	0	0	9	0	N.A.
404.687-014	HARVEST WORKER, FIELD CROP	0	0	9	4	N.A.
410.134-010	SUPERVISOR, LIVESTOCK-YARD	0	0	0	0	5.34
410.674-018	LIVESTOCK-YARD ATTENDANT	0	0	0	0	4.36
410.684-010	FARMWORKER, DAIRY	0	0	49	0	N.A.
529.132-054	SUPERVISOR, FEED MILL	0	0	0	0	9.03
529.687-130	LABORER (SLAUGHT./MEAT PACKIN	0	0	9	0	N.A.
529.687-186	SORTER, AGRIC. PRODUCE	0	0	57	4	N.A.
920.687-134	PACKER, AGRICULTURAL PRODUCE	0	0	6	0	N.A.
921.683-026	GRAIN-ELEVATOR OPERATOR	0	0	0	0	5.89

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CLUSTER TITLE: AGRICULTURE BUSINESS

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE AG02

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL 1986-1995> GROWTH    REPLAC    OPEN		
PURCHASING AGENTS & BUYERS,	21305048	135	155	2	9	11
PURCHASING AGENT EX.WHO/RET	21308037	324	369	5	19	24
FARM & HOME MANAGEMENT ADVI	31323136	289	305	2	14	16
FIRST LINE SUPERV.AG,FOREST	72002469	161	172	1	3	4
TOTALS		909	1001	10	45	55

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CLUSTER TITLE: AGRICULTURE BUSINESS

SCHOOL YEAR 1986-87

CLUSTER CODE AG02

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
AGRICULTURAL BUSINES	01.0101			91	1			2	94
AGRICULTURAL BUSINES	01.0102			10					10
AGRICULTURAL ECONOMI	01.0103			4					4
FARM & RANCH MANAGEM	01.0104			5	1				6
AGRIBUSINESS & AGRIC	01.9999			10					10
AGRICULTURAL SCIENCE	02.0101			19					19
ANIMAL SCIENCES, GEN	02.0201			5					5
LIVESTOCK	02.0208			11					11
AGRONOMY	02.0402			14					14
RANGE MANAGEMENT	02.0409			1				1	2
SOIL SCIENCES, GENER	02.0501			2					2
ENTOMOLOGY	26.0702							1	1
***TOTALS				172	2			4	178



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CLUSTER TITLE: AGRICULTURE MECHANICS

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE AG03

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL GROWTH	1986-1995> REPLAC	OPEN
AGRICULTURAL ENGINEERS	22123065	19	22	0	3	3
FARM EQUIPMENT MECHANICS	85321596	272	263	-1	10	9
TOTALS		291	285	-1	13	12

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CLUSTER TITLE: AGRICULTURE MECHANICS

SCHOOL YEAR 1986-87

CLUSTER CODE AG03

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
AGRICULTURAL MECHANI	01.0201		3	3					6
AGRICULTURAL POWER M	01.0204	2	11		3				16
AGRICULTURAL MECHANI	01.0299			5					5
AGRICULTURAL ENGINEE	14.0301			10					10
***TOTALS		2	14	18	3				37

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MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: AGRICULTURE MECHANICS

CLUSTER CODE AG03

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
624.281-010	FARM-EQUIPMENT MECHANIC	0	0	23	7	N.A.
624.381-018	FARM-MACHINERY SET-UP MECHANI	0	0	0	0	6.49

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CLUSTER TITLE: HORTICULTURE & LANDSCAPING

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE AG04

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL 1986-1995> GROWTH    REPLAC    OPEN		
NURSERY WORKERS	79005478	65	73	1	7	8
GARDENERS & GROUNDSKEEPERS	79014474	860	989	14	91	105
TOTALS		925	1062	15	98	113

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STATEWIDE

CLUSTER TITLE: HORTICULTURE & LANDSCAPING

SCHOOL YEAR 1986-87

CLUSTER CODE AG04

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
GREENHOUSE OPERATION	01.0604				1				1
LANDSCAPING	01.0605				8			1	9
NURSERY OPERATION &	01.0606				5				5
TURF MANAGEMENT	01.0607				2				2
FLORAL DESIGN	20.0504				1		4	2	7
***TOTALS					17		4	3	24

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MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: HORTICULTURE & LANDSCAPING

CLUSTER CODE AG04

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
142.081-010	FLORAL DESIGNER	0	0	0	0	4.87
405.684-014	HORTICULTURAL WORKER 1	0	0	0	0	4.21
406.684-014	GROUNDSKEEPER, INDUSTRIAL-COM	0	0	0	0	5.16
408.161-010	LANDSCAPE GARDENER	0	0	150	18	N.A.

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CLUSTER TITLE: FORESTRY & LUMBER PRODUCTION

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE AG05

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL 1986-1995> GROWTH	REPLAC	OPEN
FORESTER, CONSERVATION SCIE	24302080	688	743	6	7	13
FALLERS & BUCKERS	73002489	733	777	5	11	16
CHOKE SETTERS	73005488	112	118	1	2	3
LOG HANDLING EQUIPMENT OPER	73008493	236	253	2	3	5
LOGGING TRACTOR OPERATORS	73011491	457	484	3	4	7
ALL OTHER TIMBER CUTTING WO	73099494	3	3	0	0	0
FOREST & CONSERVATION WORKE	79002490	1087	1079	-1	20	19
LOG GRADERS & SCALERS	79008492	62	66	0	1	1
TOTALS		3378	3523	16	48	64

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CLUSTER TITLE: FORESTRY & LUMBER PRODUCTION

SCHOOL YEAR 1986-87

CLUSTER CODE AG05

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
RENEWABLE NATURAL RE	03.0101			19					19
FOREST PRODUCTION	03.0402				1				1
FOREST PRODUCTS UTIL	03.0403				6				6
FOREST PRODUCTS PROC	03.0404				17				17
LOGGING	03.0405				7			1	8
FORESTRY & RELATED S	03.0501	20	2	24					46
FOREST MANAGEMENT	03.0506			26					26
FORESTRY & RELATED S	03.0599			6					6
***TOTALS		20	2	75	31			1	129

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MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: FORESTRY &amp; LUMBER PRODUCTION

CLUSTER CODE AG05

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
040.061-034	FORESTER	0	0	38	1	N.A.
452.364-010	FORESTER AIDE	0	0	487	109	N.A.
452.687-014	FOREST-FIRE FIGHTER	0	0	145	149	N.A.
454.384-010	FALLER I	0	0	0	0	12.51
454.683-010	TREE-SHEAR OPERATOR	0	0	0	0	10.65
454.684-010	BUCKER	0	0	0	0	10.43
454.684-018	LOGGER, ALL-ROUND	0	0	0	0	11.10
454.687-010	CHAINSAW OPERATOR	0	0	0	0	10.37
455.487-010	LOG SCALER	0	0	0	0	11.26
663.682-010	BARKER OPERATOR (VENEER/PLYWO	0	0	0	0	9.29
665.482-018	TIMBER-SIZER OPERATOR	0	0	0	0	10.08
667.482-010	LOG-CUT-OFF SAWYER, AUTOMATIC	0	0	0	0	8.70
667.482-022	TRIMMER SAWYER	0	0	0	0	10.01
667.662-010	HEAD SAWYER	0	0	0	0	11.94
667.682-058	RESAW OPERATOR (WOODWORKING)	0	0	0	0	9.68
667.686-014	SAWMILL WORKER	0	0	0	0	8.38
669.587-010	GRADER (WOODWORKING)	0	0	0	0	10.00
669.686-018	CHAIN OFF-BEARER	0	0	0	0	8.37
921.683-058	LOG LOADER	0	0	0	0	11.74
921.687-014	CHOKE SETTER (LOGGING)	0	0	0	0	12.51
929.683-010	LOGGING-TRACTOR OPERATOR	0	0	255	49	N.A.

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CLUSTER TITLE: FISH & WILDLIFE

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE AG06

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL 1986-1995> GROWTH    REPLAC    OPEN		
FISH & GAME WARDENS	63041445	71	76	1	2	3
TOTALS		71	76	1	2	3

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CLUSTER TITLE: FISH & WILDLIFE

SCHOOL YEAR 1986-87

CLUSTER CODE AG06

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
CONSERVATION & REGUL	03.0201			10					10
CONSERVATION	03.0202					1			1
FISHING & FISHERIES	03.0301							1	1
WILDLIFE MANAGEMENT	03.0601			35					35
ZOOLOGY, GENERAL	26.0701			28					28
***TOTALS				73		1		1	75

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CLUSTER TITLE: ANIMAL CARE

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE AG07

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL GROWTH	1986-1995> REPLAC	OPEN
VETERINARIANS, VET. INSPECT	32114169	22	25	0	0	0
ANIMAL CARETAKERS, EXCEPT F	79017473	83	69	-2	1	-1
TOTALS		105	94	-2	1	-1

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CLUSTER TITLE: ANIMAL CARE

SCHOOL YEAR 1986-87

CLUSTER CODE AG07

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
GAME FARM MANAGEMENT	01.0305							2	2
ANIMAL TRAINING	01.0505				1				1
VETERINARY MEDICINE	18.2401			2					2
***TOTALS				2	1			2	5

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CLUSTER TITLE: ANIMAL CARE

CLUSTER CODE AG07

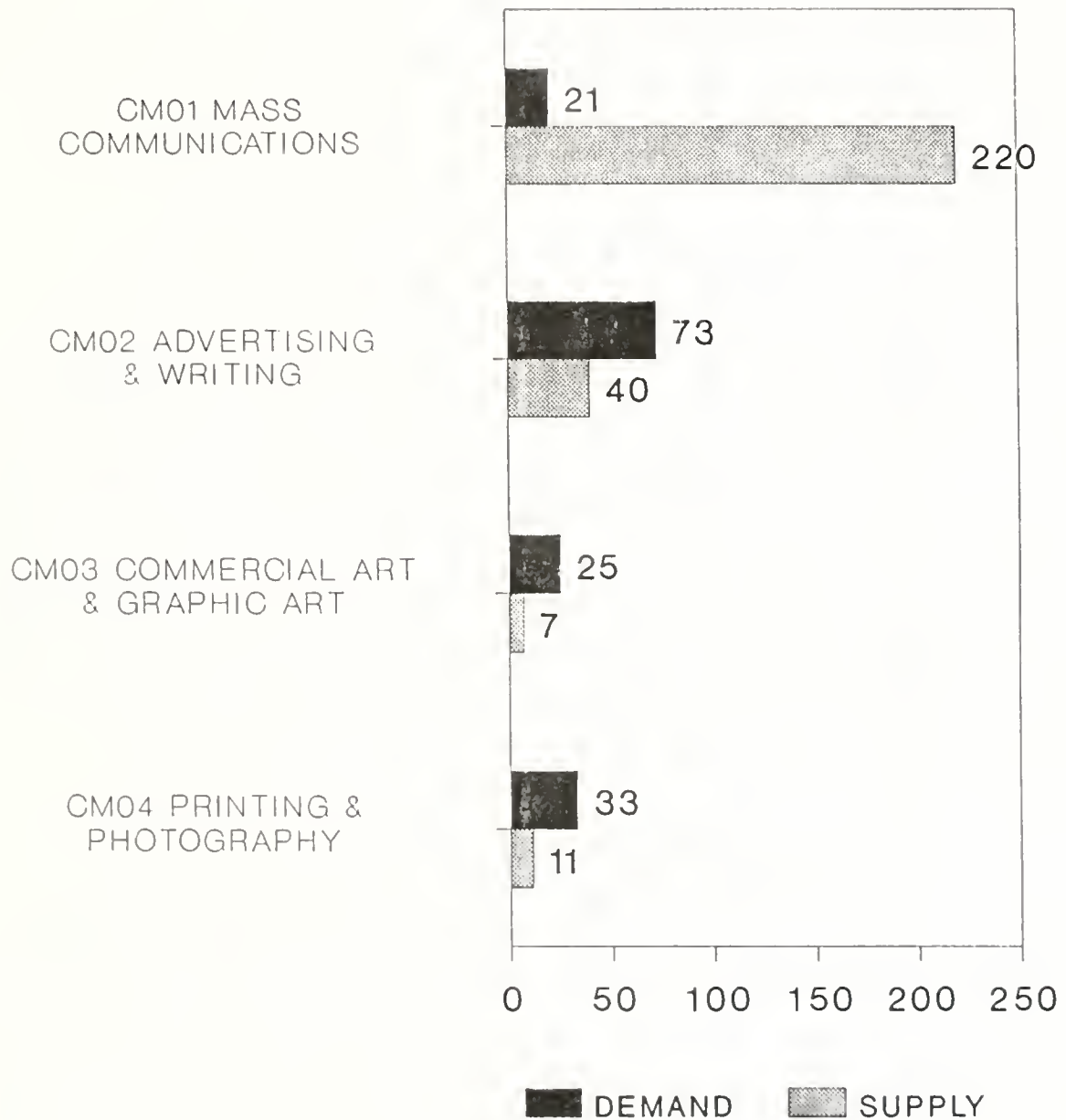
CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
073.101-010	VETERINARIAN	0	0	1	0	N.A.
410.687-022	SHEEP HERDER	0	0	22	1	N.A.



# COMMUNICATIONS CLUSTERS

## DEMAND VS. SUPPLY

ESTIMATED ANNUAL OPENINGS VS. TRAINING COMPLETERS



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CLUSTER TITLE: MASS COMMUNICATIONS

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE CM01

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL 1986-1995> GROWTH	REPLAC	OPEN
LECTURERS	31111122	72	82	1	2	3
REPORTERS & CORRESPONDENTS	34011187	197	217	2	11	13
BROADCAST NEWS ANALYSTS	34014186	59	55	0	3	3
ANNOUNCERS, RADIO & TV	34017185	436	404	-4	4	0
BROADCAST TECHNICIANS	34028229	71	69	0	1	1
PROOFREADERS & COPY MARKERS	53911360	17	19	0	1	1
TOTALS		852	846	-1	22	21

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CLUSTER TITLE: MASS COMMUNICATIONS

SCHOOL YEAR 1986-87

CLUSTER CODE CM01

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
COMMUNICATIONS, GENE	09.0101			35					35
JOURNALISM (MASS COM	09.0401			21	6			4	31
RADIO/TV NEWS BROADC	09.0601	9							9
RADIO/TV, GENERAL	09.0701			22			74	2	98
RADIO & TV PRODUCTIO	10.0104			47					47
***TOTALS		9		125	6		74	6	220

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CLUSTER TITLE: MASS COMMUNICATIONS

CLUSTER CODE CM01

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
003.167-030	CHIEF ENGINEER, BROADCASTING	0	0	0	0	14.29
131.067-014	COPY WRITER	0	0	0	0	8.14
131.267-010	NEWSCASTER	0	0	0	0	6.32
131.267-018	REPORTER	0	1	0	0	6.79
159.147-010	ANNOUNCER (RADIO & TV)	0	0	0	0	5.64
163.167-014	MANAGER, CITY CIRCULATION	0	0	7	0	9.42
184.167-014	DIRECTOR, NEWS	0	0	0	0	8.88



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CLUSTER TITLE: ADVERTISING & WRITING

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE CM02

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL GROWTH	1986-1995> REPLAC	OPEN
MARKETING, ADV., PUBLIC REL	13011018	700	773	8	13	21
WRITERS & EDITORS	34002190	306	328	2	18	20
TECHNICAL WRITERS	34005189	15	20	1	0	1
PUBLIC RELATIONS SPECIALIST	34008183	190	200	1	6	7
SALES AGENTS, ADVERTISING	43023270	429	458	3	20	23
ADVERTISING CLERKS	53908334	66	75	1	0	1
TOTALS		1706	1854	16	57	73

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CLUSTER TITLE: ADVERTISING & WRITING

SCHOOL YEAR 1986-87

CLUSTER CODE CM02

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
ADVERTISING	09.0201					2			2
PUBLIC RELATIONS	09.0501							1	1
GRAPHIC ARTS	21.0106	23							23
CREATIVE WRITING	23.0501			13					13
TECHNICAL & BUSINESS	23.1101							1	1
***TOTALS		23		13	2			2	40

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CLUSTER TITLE: ADVERTISING & WRITING

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE CM02

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
131.267-026	WRITER, TECHNICAL PUBLICATION	0	0	27	4	8.47
132.037-022	EDITOR, FARM JOURNAL	0	0	0	0	7.83
163.167-010	MANAGER, ADVERTISING	0	0	0	0	8.56
165.067-010	PUBLIC-RELATIONS REPRESENTATI	0	0	60	13	11.43

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CLUSTER TITLE: COMMERCIAL ART &amp; GRAPHIC ART

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE CM03

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL GROWTH	1986-1995> REPLAC	OPEN
ARTISTS & RELATED WORKERS	34035171	92	117	3	5	8
DESIGNERS, EXC. INTERIOR DE	34038174	195	238	5	5	10
INTERIOR DESIGNERS	34041251	76	99	3	2	5
MERCHANDISE DISPLAYERS	34044175	79	83	0	2	2
TOTALS		442	537	11	14	25

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CLUSTER TITLE: COMMERCIAL ART &amp; GRAPHIC ART

SCHOOL YEAR 1986-87

CLUSTER CODE CM03

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
INTERIOR DESIGN	04.0501			2	1				3
GRAPHIC DESIGN	50.0402				4				4
***TOTALS				2	5				7

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MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: COMMERCIAL ART &amp; GRAPHIC ART

CLUSTER CODE CM03

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
141.061-018	GRAPHIC DESIGNER	0	0	0	0	6.05
141.061-022	ILLUSTRATOR	0	1	0	0	N.A.

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CLUSTER TITLE: PRINTING &amp; PHOTOGRAPHY

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE CM04

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL 1986-1995> GROWTH REPLAC OPEN		
PHOTOGRAPHERS	34023181	106	121	2	2	4
CAMERA OPERATORS, TV & MOVI	34026180	34	35	0	1	1
PRECISION COMPOSITOR, TYPES	89702648	61	61	0	1	1
JOB PRINTERS	89705651	61	67	1	2	3
PRECISION LITHOGRAPHERS & P	89708649	31	34	0	0	0
BOOKBINDERS	89711647	11	12	0	2	2
ALL OTHER PRECISION PRINTIN	89799650	1	1	0	0	0
PHOTOGRAPHIC PROCESS WORKER	89914680	5	5	0	0	0
OFFSET LITHOGRAPHIC PRESS S	92512732	74	80	1	2	3
LETTERPRESS SETTER/OPERATOR	92515731	28	26	0	1	1
ALL OTHER PRINTING PRESS SE	92519734	1	1	0	0	0
PHOTOENGRAVING & LITH. PHOT	92521737	18	20	0	0	0
SCREEN PRINTING MACH. SETTE	92524738	2	4	0	0	0
BINDERY MACHINE SETTER/OPER	92525729	25	27	0	0	0
TYPESETTING MACH. OPERATOR/	92541739	85	91	1	2	3
PRINTING PRESS MACHINE OPER	92543733	134	150	2	5	7
PHOTOENCRAVING & LITHOG. OP	92545736	14	15	0	0	0
BINDERY MACHINE OPERATORS	92546728	34	36	0	0	0
ALL OTHER PRINTING, BINDING	92599740	2	2	0	0	0
MOTION PICTURE PROJECTIONIS	92905773	60	51	-1	8	7
PHOTOGRAPHIC PROCESSING MAC	92908778	62	73	1	0	1
TOTALS		849	912	7	26	33

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CLUSTER TITLE: PRINTING &amp; PHOTOGRAPHY

SCHOOL YEAR 1986-87

CLUSTER CODE CM04

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
TYPESETTING, MAKE-UP	48.0205					1			1
LITHOGRAPHY, PHOTOGR	48.0206					2			2
PHOTOGRAPHIC LABORAT	48.0207					4			4
PRINTING PRESS OPERA	48.0208					1		1	2
SILK SCREEN MAKING &	48.0209					1			1
PHOTOGRAPHY	50.0605				1				1
***TOTALS					1	9		1	11

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## MONTANA OCCUPATIONAL INFORMATION SYSTEM

## A N A L Y S I S I N F O R M A T I O N

STATEWIDE

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: PRINTING &amp; PHOTOGRAPHY

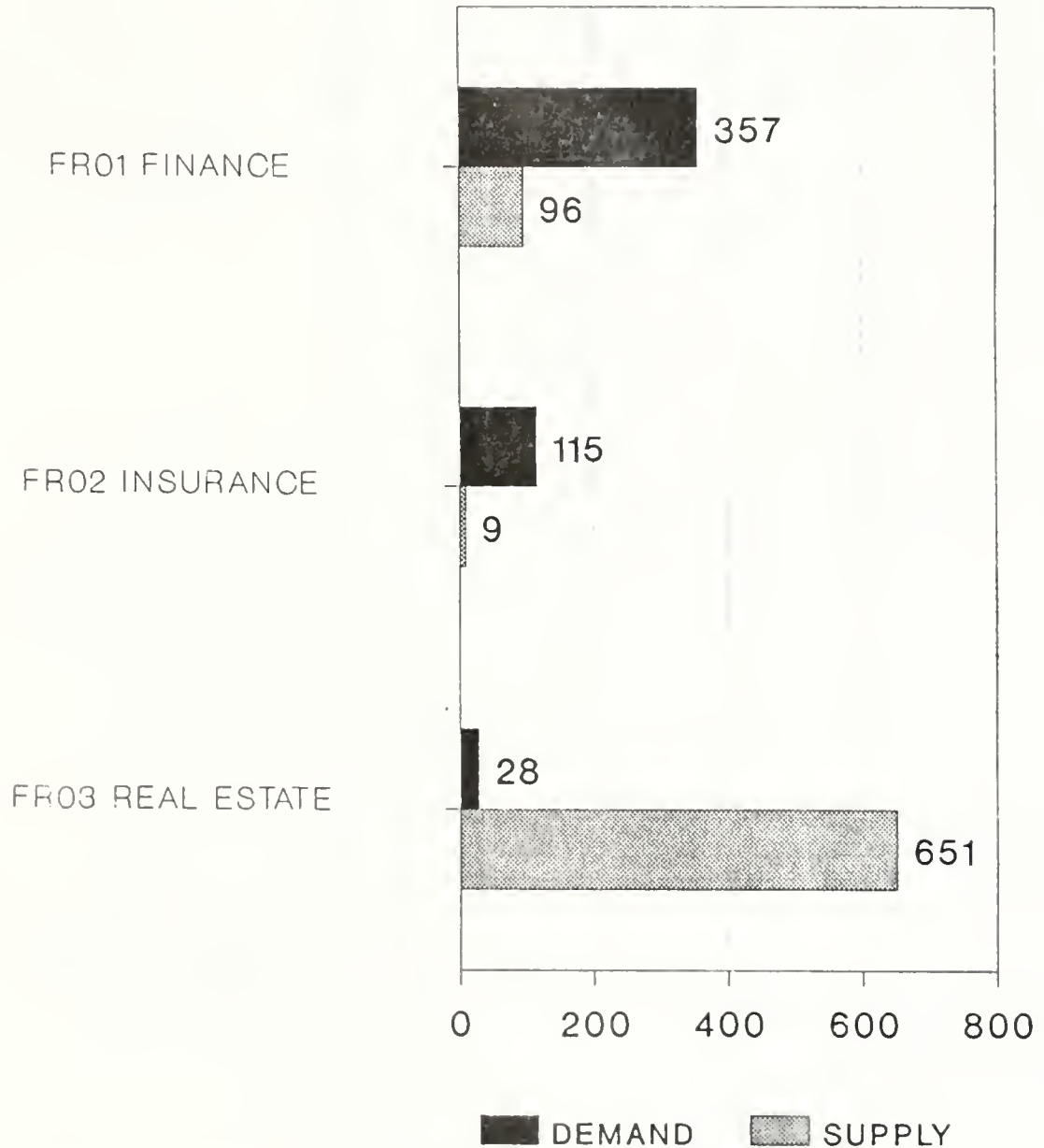
CLUSTER CODE CM04

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
143.062-022	PHOTOGRAPHER, MOTION PICTURE	0	1	0	0	N.A.
194.282-010	VIDEO OPERATOR	0	0	0	0	6.03
203.582-062	TYPESETTER-PERFORATOR OPERATO	0	0	9	0	N.A.
209.387-030	PROOFREADER	0	0	4	3	N.A.
650.582-010	LINOTYPE OPERATOR	0	0	1	0	N.A.
650.582-014	MONOTYPE KEYBOARD OPERATOR	0	0	1	0	N.A.
650.582-022	PHOTOTYPESETTER OPERATOR	0	0	0	0	7.03
651.362-010	CYLINDER-PRESS OPERATOR	0	0	0	0	7.73
651.362-030	WEB-PRESS OPERATOR	2	0	1	0	N.A.
651.380-010	PRINTER II (PRINT./PUB.)	0	0	0	0	8.75
651.482-010	OFFSET-PRESS OPERATOR I	0	0	0	0	8.45
653.382-010	FOLDING-MACHINE OPERATOR	0	0	1	0	N.A.
653.685-010	BINDERY WORKER	0	0	0	0	6.36
659.130-010	SUPERVISOR, PRINTING-SHOP	0	0	0	0	10.04
971.381-050	STRIPPER (PRINT./PUB.)	0	0	0	0	9.54
972.281-010	PROCESS ARTIST (PRINT./PUB.)	0	0	1	0	N.A.
972.382-014	PHOTOGRAPHER, LITHOGRAPHIC (P	0	0	0	0	8.10
973.381-010	COMPOSITOR (PRINT./PUB.)	0	0	0	0	6.98
976.382-018	FILM DEVELOPER	0	1	0	0	N.A.
976.487-010	PHOTOGRAPH FINISHER	0	0	7	0	N.A.
976.682-014	PRINTER OPERATOR, BLACK-&-WHI	0	0	5	0	N.A.

# \*FIRE CLUSTERS

## DEMAND VS. SUPPLY

ESTIMATED ANNUAL OPENINGS VS. TRAINING COMPLETERS



•FIRE • FINANCE, INSURANCE, REAL ESTATE



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CLUSTER TITLE: FINANCE

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE FR01

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL GROWTH	1986-1995> REPLAC	OPEN
FINANCIAL MANAGERS	13002015	2178	2504	36	58	94
CREDIT ANALYSTS	21105044	365	424	7	13	20
LOAN OFFICERS & COUNSELORS	21108046	303	335	4	7	11
TAX PREPARERS	21111040	175	185	1	4	5
ALL OTHER FINANCIAL SPECIAL	21199049	206	228	2	5	7
TAX EXAMINER, COLLECTOR, REV.	21914039	207	206	0	10	10
ASSESSORS	21917026	312	345	4	15	19
ACTUARIES	25313084	19	27	1	1	2
FINANCIAL ANALYSTS, STATIST	25315045	44	54	1	3	4
SECURITIES, FINANCIAL SERV.	43014262	354	471	13	21	34
TELLERS	53102366	1540	1625	9	14	23
NEW ACCOUNTS CLERKS	53105309	295	332	4	10	14
TRANSIT CLERKS	53108299	80	86	1	1	2
LOAN INTERVIEWERS	53111372	46	55	1	1	2
CREDIT AUTHORIZERS	53114352	18	21	0	1	1
CREDIT CHECKERS	53117353	94	121	3	2	5
LOAN & CREDIT CLERKS	53121358	506	588	9	23	32
ADJUSTMENT CLERKS	53123278	274	302	3	5	8
STATEMENT CLERKS	53126340	166	184	2	6	8
BILL & ACCOUNT COLLECTORS	53508279	260	324	7	5	12
BILLING, COST & RATE CLERKS	55344303	1016	1141	14	30	44
TOTALS		8458	9558	122	235	357

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STATEWIDE

CLUSTER TITLE: FINANCE

SCHOOL YEAR 1986-87

CLUSTER CODE FR01

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
BANKING & FINANCE	06.0301			83					83
BUSINESS ECONOMICS	06.0501			5					5
BANKING & RELATED FI	07.0201				1				1
TELLER	07.0205				7				7
***TOTALS				88	8				96



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CLUSTER TITLE: FINANCE

MONTANA DEPARTMENT OF LABOR AND INDUSTRY  
CLUSTER CODE FR01

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
020.167-014	FINANCIAL ANALYST	0	0	0	0	18.62
186.117-038	MANAGER, FINANCIAL INSTITUTIO	0	0	0	0	16.10
186.117-074	TRUST ADMINISTRATOR (FINAN. I	0	0	0	0	15.65
186.267-018	LOAN OFFICER	0	0	0	0	12.62
191.267-014	CREDIT ANALYST	0	0	4	0	10.25
205.362-026	NEW-ACCOUNTS CLERK	0	0	0	0	6.87
205.367-022	CREDIT CLERK	0	0	0	0	7.24
211.362-010	CASHIER I (CLERICAL)	0	0	412	135	4.28
211.362-018	TELLER	0	0	274	101	5.42
219.132-014	SUPERVISOR, TRUST ACCOUNTS	0	0	0	0	9.43
249.382-010	MORTGAGE CLERK (FINAN. INST.)	0	0	0	0	6.66

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CLUSTER TITLE: INSURANCE

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE FR02

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL 1986-1995> GROWTH   REPLAC   OPEN		
UNDERWRITERS	21102041	174	225	6	5	11
SPECIAL AGENTS, INSURANCE	21505035	133	174	5	3	8
CLAIMS EXAMINERS, INSURANCE	21921027	40	50	1	2	3
INSURANCE SALES WORKERS	43002256	710	910	22	26	48
INSURANCE ADJUSTERS, INVESTI	53302280	225	291	7	5	12
INSURANCE APPRAISERS, AUTO	53305281	4	5	0	0	0
INSURANCE EXAMINING CLERKS	53308283	9	10	0	0	0
INSURANCE CLAIMS CLERKS	53311282	150	174	3	3	6
INSURANCE POLICY PROCESS. C	53314284	357	448	10	17	27
TOTALS		1802	2287	54	61	115

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STATEWIDE

CLUSTER TITLE: INSURANCE

SCHOOL YEAR 1986-87

CLUSTER CODE FR02

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
INSURANCE CLERK	07.0203				9				9
***TOTALS					9				9

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MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: INSURANCE

CLUSTER CODE FR02

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
166.167-046	SPECIAL AGENT (INSURANCE)	0	0	0	0	13.21
169.167-058	UNDERWRITER	0	0	20	0	7.36
205.367-018	CLAIMS CLERK II (INSURANCE)	0	0	0	0	7.53
214.362-022	INSURANCE CLERK	0	0	12	11	6.71
214.482-022	RATER (INSURANCE)	0	0	9	4	5.58
219.362-042	POLICY-CHANGE CLERK	0	0	0	0	4.94
219.367-038	UNDERWRITING CLERK	0	0	0	0	6.02
241.217-010	CLAIM ADJUSTER	0	0	31	2	11.66
241.267-018	CLAIM EXAMINER	0	0	0	0	11.61
241.362-010	CLAIMS CLERK I (INSURANCE)	0	0	0	0	7.23

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STATEWIDE

CLUSTER TITLE: REAL ESTATE

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE FR03

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL 1986-1995> GROWTH    REPLAC    OPEN		
PROPERTY, REAL ESTATE MANAG	15011022	5	5	0	0	0
BROKERS, REAL ESTATE	43005258	89	102	1	5	6
SALES AGENTS, REAL ESTATE	43008259	89	104	2	5	7
REAL ESTATE APPRAISERS	43011260	79	95	2	5	7
BROKERAGE CLERKS	53128335	29	32	0	1	1
REAL ESTATE CLERKS	53914361	120	141	2	5	7
TOTALS		411	479	7	21	28

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STATEWIDE

CLUSTER TITLE: REAL ESTATE

SCHOOL YEAR 1986-87

CLUSTER CODE FR03

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
REAL ESTATE	06.1701			3			648		651
***TOTALS				3			648		651

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
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CLUSTER TITLE: REAL ESTATE

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

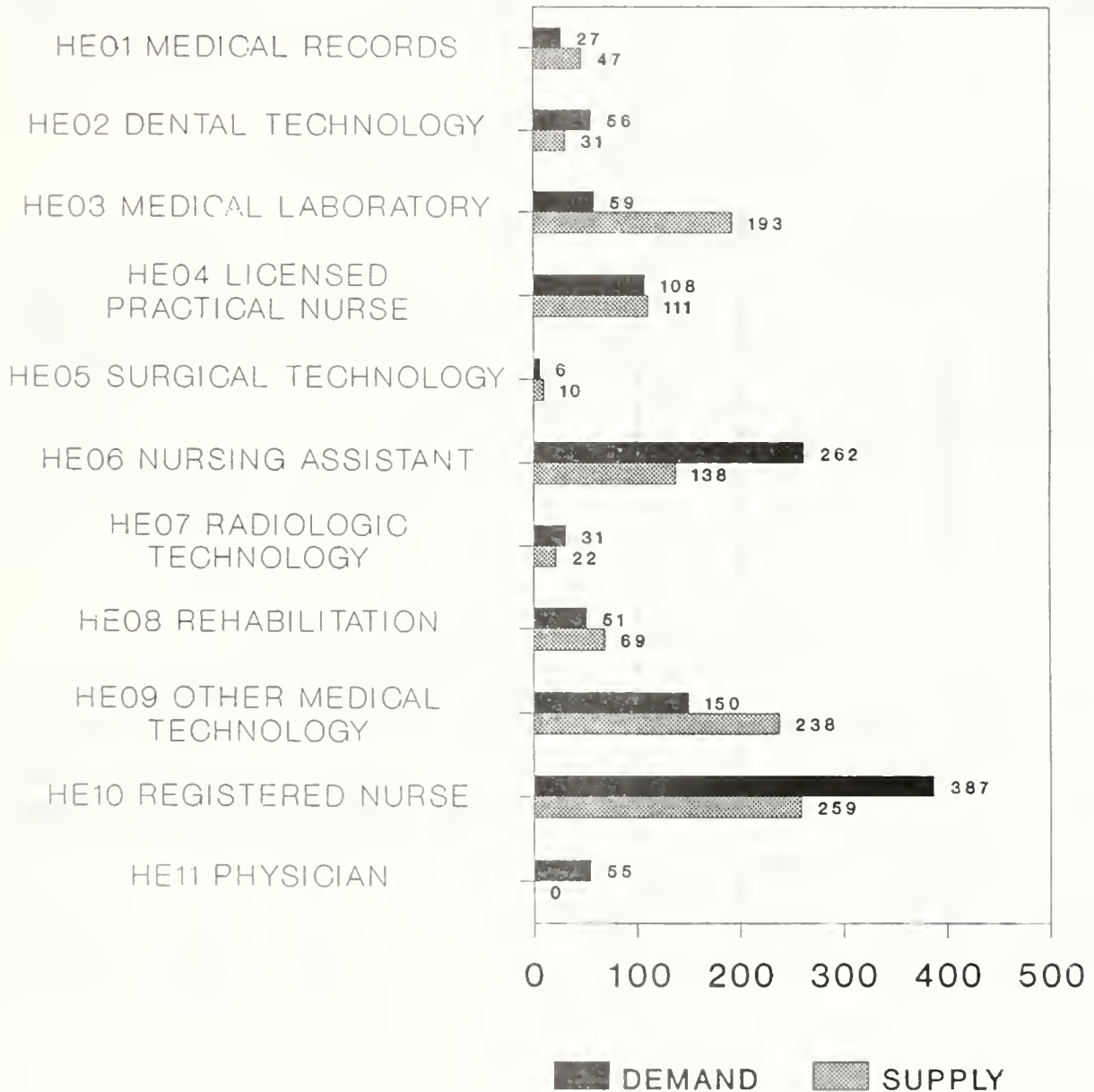
CLUSTER CODE FR03

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
186.167-046	MANAGER, PROPERTY	0	0	0	0	11.13
250.357-018	SALES AGENT, REAL ESTATE	0	0	70	0	N.A.

# HEALTH CLUSTERS

## DEMAND VS. SUPPLY

ESTIMATED ANNUAL OPENINGS VS. TRAINING COMPLETERS





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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
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STATEWIDE

CLUSTER TITLE: MEDICAL RECORDS

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE HE01

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL 1986-1995> GROWTH    REPLAC    OPEN		
MEDICAL SECRETARIES	55105344	466	590	14	13	27
TOTALS		466	590	14	13	27

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
S U P P L Y     R E P O R T

STATEWIDE

CLUSTER TITLE: MEDICAL RECORDS

SCHOOL YEAR 1986-87

CLUSTER CODE HE01

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
MEDICAL SECRETARIAL	07.0605		26	2	6			4	38
MEDICAL RECORDS ADMI	18.0703			9					9
***TOTALS			26	11	6			4	47

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
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CLUSTER TITLE: MEDICAL RECORDS

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE HE01

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
201.362-014	MEDICAL SECRETARY	0	0	87	31	6.78
205.137-010	ADMITTING OFFICER (MEDICAL SE	0	0	0	0	6.12
205.362-018	HOSPITAL-ADMITTING CLERK	0	0	40	25	N.A.
245.362-010	MEDICAL-RECORD CLERK	0	0	0	0	5.93

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
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STATEWIDE

CLUSTER TITLE: DENTAL TECHNOLOGY

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE HE02

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL 1986-1995> GROWTH    REPLAC    OPEN		
DENTISTS	32105152	256	322	7	18	25
DENTAL HYGIENISTS	32908193	273	344	8	2	10
DENTAL ASSISTANTS	66002398	574	720	16	2	18
DENTAL LABORATORY TECHNICIA	89921675	52	67	2	1	3
<hr/>						
TOTALS		1155	1453	33	23	56

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STATEWIDE

CLUSTER TITLE: DENTAL TECHNOLOGY

SCHOOL YEAR 1986-87

CLUSTER CODE HE02

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
DENTAL ASSISTING	17.0101		13		3				16
DENTAL HYGIENE	17.0102			15					15
<hr/>									
***TOTALS			13	15	3				31

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STATEWIDE

CLUSTER TITLE: DENTAL TECHNOLOGY

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE HE02

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
072.101-010	DENTIST	0	0	5	0	N.A.
078.361-010	DENTAL HYGIENIST	0	0	18	2	12.12
079.371-010	DENTAL ASSISTANT	0	1	166	44	6.00

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STATEWIDE

CLUSTER TITLE: MEDICAL LABORATORY

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE HE03

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL GROWTH	1986-1995 REPLAC	1995-1996 OPEN
BIOLOGICAL SCIENTISTS	24308079	391	433	5	14	19
MEDICAL SCIENTISTS	24311081	23	32	1	1	2
ALL OTHER LIFE SCIENTISTS	24399082	174	187	1	2	3
MED./CLINICAL LAB. TECHNOLO	32902201	556	647	10	6	16
MED./CLINICAL LAB. TECHNICI	32905200	187	219	4	2	6
MEDICAL RECORDS TECHN.& TEC	32911202	214	295	9	4	13
TOTALS		1545	1813	30	29	59

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CLUSTER TITLE: MEDICAL LABORATORY

SCHOOL YEAR 1986-87

CLUSTER CODE HE03

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
MEDICAL TECHNOLOGY	17.0310			11			8		19
BIOLOGY, GENERAL	26.0101			117					117
BIOCHEMISTRY & BIOPH	26.0201			3					3
MICROBIOLOGY	26.0501			53					53
LIFE SCIENCES, OTHER	26.9999			1					1
***TOTALS				185			8		193

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CLUSTER TITLE: MEDICAL LABORATORY

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE HE03

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
078.361-014	MEDICAL TECHNOLOGIST	0	0	29	2	10.88
078.381-010	MEDICAL-LABORATORY ASSISTANT	0	0	0	0	8.01
078.381-014	MEDICAL LABORATORY TECHNICIAN	0	0	26	9	N.A.

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
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CLUSTER TITLE: LICENSED PRACTICAL NURSE  
MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE HE04

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL 1986-1995> GROWTH    REPLAC    OPEN		
LICENSED PRACTICAL NURSES	32505198	1711	2038	36	72	108
TOTALS		1711	2038	36	72	108

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
S U P P L Y     R E P O R T

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CLUSTER TITLE: LICENSED PRACTICAL NURSE  
SCHOOL YEAR 1986-87

CLUSTER CODE HE04

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
PRACTICAL NURSING	17.0605		106		4			1	111
***TOTALS			106		4			1	111

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CLUSTER TITLE: LICENSED PRACTICAL NURSE

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE HE04

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
079.374-014	NURSE, LICENSED PRACTICAL	0	0	292	102	6.80
354.374-010	NURSE, PRACTICAL	0	0	24	1	N.A.

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CLUSTER TITLE: SURGICAL TECHNOLOGY

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE HE05

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL GROWTH	1986-1995> REPLAC	OPEN
SURGICAL TECHNICIANS	32928207	135	179	5	1	6
TOTALS		135	179	5	1	6

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STATEWIDE

CLUSTER TITLE: SURGICAL TECHNOLOGY

SCHOOL YEAR 1986-87

CLUSTER CODE HE05

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
SURGICAL TECHNOLOGY	17.0211		10						10
***TOTALS			10						10

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CLUSTER TITLE: SURGICAL TECHNOLOGY

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE HE05

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
079.374-022	SURGICAL TECHNICIAN	0	0	19	3	7.40



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CLUSTER TITLE: NURSING ASSISTANT

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE HE06

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL 1986-1995> GROWTH    REPLAC    OPEN		
MEDICAL ASSISTANTS	66005399	196	271	8	6	14
NURSING AIDES & ORDERLIES	66008401	3766	4532	85	119	204
HOME HEALTH AIDES	66011418	490	532	5	39	44
TOTALS		4452	5335	98	164	262

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CLUSTER TITLE: NURSING ASSISTANT

SCHOOL YEAR 1986-87

CLUSTER CODE HE06

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
NURSING ASSISTING	17.0602		46		78	11			135
COMPANION TO THE AGE	20.0602				3				3
***TOTALS			46		81	11			138

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CLUSTER TITLE: NURSING ASSISTANT

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE HE06

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
079.367-010	MEDICAL ASSISTANT	0	2	33	5	5.95
245.362-014	WARD CLERK (MED.)	0	0	35	16	N.A.
355.674-014	NURSE AIDE	0	0	1397	515	5.52
355.674-018	ORDERLY	0	0	33	14	N.A.

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
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CLUSTER TITLE: RADIOLOGIC TECHNOLOGY

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE HE07

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL GROWTH	1986-1995> REPLAC	OPEN
NUCLEAR MEDICINE TECHNOLOGI	32914204	18	23	1	0	1
RADIOLOGIC TECHNOL. & TECHN	32916203	403	527	14	16	30
TOTALS		421	550	15	16	31

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
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CLUSTER TITLE: RADIOLOGIC TECHNOLOGY

SCHOOL YEAR 1986-87

CLUSTER CODE HE07

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
RADIOLOGIC (MEDICAL)	17.0209						22		22
***TOTALS							22		22

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
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MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: RADIOLOGIC TECHNOLOGY

CLUSTER CODE HE07

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
078.362-026	RADIOLOGIC TECHNOLOGIST	0	1	0	0	9.00

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CLUSTER TITLE: REHABILITATION

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE HE08

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL GROWTH	1986-1995 REPLAC	1995-1996 OPEN
RESPIRATORY THERAPISTS	32302165	193	253	7	7	14
OCCUPATIONAL THERAPISTS	32305162	59	76	2	10	12
PHYSICAL THERAPISTS	32308163	202	267	7	2	9
CORRECT. & MANUAL ARTS THER	32311168	11	13	0	0	0
SPEECH PATHOLOGISTS,AUDIOLO	32314166	184	216	4	1	5
RECREATION THERAPISTS	32317164	83	101	2	1	3
ALL OTHER THERAPISTS	32399167	37	45	1	1	2
PHYSICAL, CORRECT.THERAPY A	66017405	126	146	2	3	5
OCCUPATIONAL THERAPY ASSIST	66021403	27	30	0	1	1
TOTALS		922	1147	25	26	51

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
S U P P L Y     R E P O R T

STATEWIDE

CLUSTER TITLE: REHABILITATION

SCHOOL YEAR 1986-87

CLUSTER CODE HE08

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
RESPIRATORY THERAPY	17.0210				2				2
OCCUPATIONAL THERAPY	17.0809				1			1	2
PHYSICAL THERAPY	17.0813			17					17
PHYSICAL THERAPY AID	17.0814				1				1
RECREATIONAL THERAPY	17.0816				1				1
RESPIRATORY THERAPY	17.0818		18						18
RESPIRATORY THERAPY	17.0819		12						12
SPEECH-LANGUAGE PATH	18.0103			16					16
***TOTALS			30	33	5			1	69

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STATEWIDE

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: REHABILITATION

CLUSTER CODE HE08

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
076.107-010	SPEECH PATHOLOGIST	0	0	0	0	10.40
076.121-010	OCCUPATIONAL THERAPIST	0	0	6	3	N.A.
076.121-014	PHYSICAL THERAPIST	0	0	5	4	11.43
076.364-010	OCCUPATIONAL THERAPY ASSISTAN	0	0	1	0	N.A.
079.361-010	RESPIRATORY THERAPIST	0	0	26	12	8.80
355.354-010	PHYSICAL THERAPY AIDE	0	0	0	0	6.33
355.377-010	OCCUPATIONAL THERAPY AID	0	0	0	0	6.65

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STATEWIDE

CLUSTER TITLE: OTHER MEDICAL TECHNOLOGY  
MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE HE09

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL GROWTH	1986-1995 REPLAC	1986-1995 OPEN
PSYCHOLOGISTS	27108095	222	260	4	4	8
OPTOMETRISTS	32108155	72	89	2	2	4
ALL OTHER HEALTH PRACTITION	32199151	14	15	0	1	1
PHYSICIAN ASSISTANTS	32511158	112	143	3	1	4
OPTICIANS, DISPENSING & MEA	32514154	215	239	3	14	17
PHARMACISTS	32517156	429	538	12	19	31
DIETITIANS & NUTRITIONISTS	32521153	172	204	4	9	13
DIETETIC TECHNICIANS	32523194	29	35	1	2	3
ELECTROENCEPHALOGRAPH TECHN	32923196	14	19	1	0	1
ELECTROCARDIOGRAPH TECHNICI	32926195	46	62	2	0	2
ALL OTHER HEALTH PROF., PARA	32999208	653	750	11	6	17
PSYCHIATRIC AIDES	66014402	283	338	6	9	15
PHARMACY ASSISTANTS	66026404	73	94	2	2	4
ALL OTHER HEALTH SERVICE WO	66099465	221	264	5	20	25
ELECTROMEDICAL & BIOMED. RE	85908604	26	32	1	4	5
TOTALS		2581	3082	57	93	150

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STATEWIDE

CLUSTER TITLE: OTHER MEDICAL TECHNOLOGY  
SCHOOL YEAR 1986-87

CLUSTER CODE HE09

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
MENTAL HEALTH/HUMAN	17.0405			10					10
MENTAL HEALTH/HUMAN	17.0499			34					34
CHIROPRACTIC ASSISTANTS	17.0514					2			2
OPTOMETRIC TECHNOLOGISTS	17.0705							1	1
PSYCHIATRIC/MENTAL HEALTH	18.1106					1			1
PHARMACY	18.1401			31					31
DIETETIC AIDE/ASSISTANTS	20.0404					3			3
PSYCHOLOGY, GENERAL	42.0101			152					152
MEDICAL SOCIAL WORK	44.0702					3		1	4
***TOTALS				227		9		2	238



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CLUSTER TITLE: OTHER MEDICAL TECHNOLOGY  
MONTANA DEPARTMENT OF LABOR AND INDUSTRY  
CLUSTER CODE HE09

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
041.061-030	BIOLOGIST	0	0	48	9	N.A.
074.161-010	PHARMACIST	0	0	24	1	14.05
074.387-010	PHARMACY HELPER	0	1	0	0	5.83
075.264-010	NURSE PRACTITIONER	0	1	0	0	N.A.
077.117-010	DIETITIAN, CHIEF	0	0	2	1	N.A.
077.121-010	DIETETIC TECHNICIAN	0	0	0	0	8.86
078.362-018	ELECTROCARDIOGRAPH TECHNICIAN	0	0	0	0	6.83
078.362-022	ELECTROENCEPHALOGRAPH TECHNIC	0	0	0	0	7.21
079.364-014	OPTOMETRIC ASSISTANT	0	0	0	0	6.27
079.364-018	PHYSICIAN ASSISTANT	0	1	0	0	N.A.
355.377-014	PSYCHIATRIC AIDE	0	0	67	31	N.A.

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D E M A N D     R E P O R T

STATEWIDE

CLUSTER TITLE: REGISTERED NURSE

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE HE10

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<ECT. ANNUAL 1986-1995> GROWTH	REPLAC	OPEN
REGISTERED NURSES	32502160	4851	6734	209	178	387
TOTALS		4851	6734	209	178	387

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STATEWIDE

CLUSTER TITLE: REGISTERED NURSE

SCHOOL YEAR 1986-87

CLUSTER CODE HE10

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
NURSING, GENERAL	18.1101			255	2			2	259
***TOTALS				255	2			2	259

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MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: REGISTERED NURSE

CLUSTER CODE HE10

CODE	TITLE	MIL APPREN	RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
075.117-022	DIRECTOR, NURSING SERVICE	0	0	0	0	11.04
075.127-018	NURSE, HEAD	0	0	0	0	12.57
075.127-022	NURSE, SUPERVISOR	0	0	0	0	12.53
075.374-010	NURSE, GENERAL DUTY (REGISTER	0	0	241	108	10.92
075.374-014	NURSE, OFFICE (REGISTERED)	0	0	0	0	9.01

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CLUSTER TITLE: PHYSICIAN

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE HE11

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL GROWTH	1986-1995> REPLAC	OPEN
PHYSICIANS & SURGEONS	32102159	614	766	17	36	53
PODIATRISTS	32111157	6	6	0	2	2
TOTALS		620	772	17	38	55

NO SUPPLY REPORT AVAILABLE

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A N A L Y S I S     I N F O R M A T I O N

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CLUSTER TITLE: PHYSICIAN

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

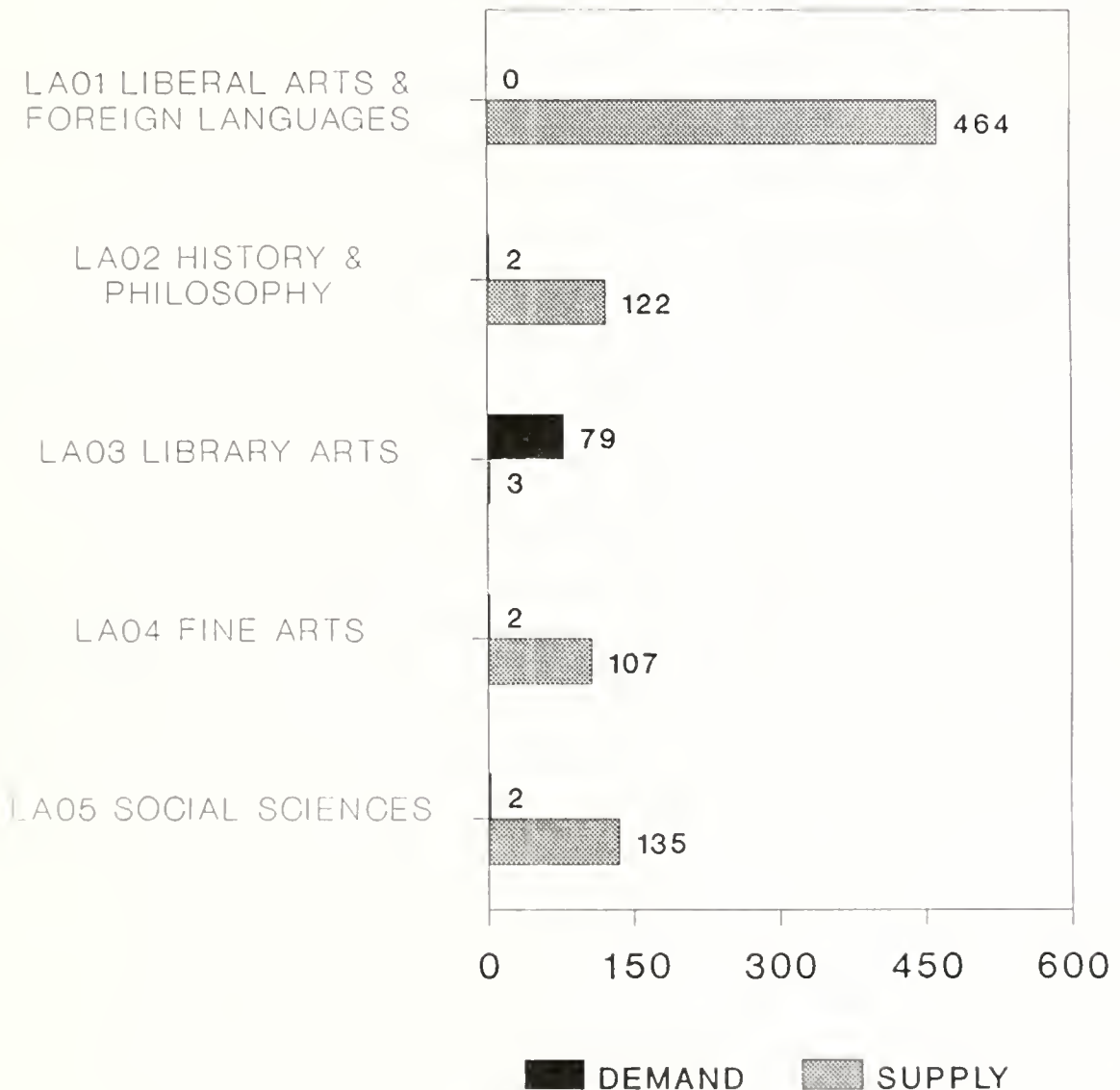
CLUSTER CODE HE11

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
045.107-022	PSYCHOLOGIST, CLINICAL	0	0	0	0	12.81
070.101-022	GENERAL PRACTITIONER	0	0	1	0	N.A.
070.101-026	FAMILY PRACTITIONER	0	1	0	0	N.A.
070.101-094	SURGEON 1	0	1	0	0	N.A.
070.107-014	PSYCHIATRIST	0	1	0	0	N.A.

# LIBERAL ARTS/LANGUAGES CLUSTERS

## DEMAND VS. SUPPLY

ESTIMATED ANNUAL OPENINGS VS. TRAINING COMPLETERS



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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
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CLUSTER TITLE: LIBERAL ARTS &amp; FOREIGN LANGUAGES

SCHOOL YEAR 1986-87

CLUSTER CODE LA01

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
FOREIGN LANGUAGES, M	16.0101			12					12
RUSSIAN	16.0402			4					4
GERMAN	16.0501			2					2
FRENCH	16.0901			10					10
LATIN	16.0903			1					1
SPANISH	16.0905			10					10
ENGLISH, GENERAL	23.0101			92					92
CLASSICS	23.0201			1					1
SPEECH, DEBATE, & FO	23.1001			76					76
LIBERAL ARTS & SCIEN	24.0101			203					203
GENERAL STUDIES	24.0102			4					4
MULTI/INTERDISCIPLIN	30.9999			46					46
SOCIAL SCIENCES, GEN	45.0101			3					3
***TOTALS				464					464

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MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: LIBERAL ARTS &amp; FOREIGN LANGUAGES

CLUSTER CODE LA01

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
137.267-010	INTERPRETER	0	5	0	0	N.A.



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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
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STATEWIDE

CLUSTER TITLE: HISTORY & PHILOSOPHY

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE LA02

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL 1986-1995> GROWTH    REPLAC    OPEN		
CURATORS, ARCHIVISTS, MUSEUM	31511147	16	23	1	1	2
TOTALS		16	23	1	1	2

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
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STATEWIDE

CLUSTER TITLE: HISTORY & PHILOSOPHY

SCHOOL YEAR 1986-87

CLUSTER CODE LA02

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
AMERICAN STUDIES	05.0102			3					3
PHILOSOPHY	38.0101			16					16
ANTHROPOLOGY	45.0201			22					22
HISTORY	45.0801			80	1				81
***TOTALS				121	1				122

NO ANALYSIS REPORT AVAILABLE

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
D E M A N D     R E P O R T

STATEWIDE

CLUSTER TITLE: LIBRARY ARTS

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE LA03

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL GROWTH	1986-1995> REPLAC	OPEN
LIBRARIANS, PROFESSIONAL	31502148	607	700	10	36	46
TECHNICAL ASSISTANTS, LIBRA	31505242	254	292	4	15	19
AUDIO-VISUAL SPECIALISTS	31508146	31	37	1	2	3
LIBRARY ASSISTANTS & BOOKMO	53902337	367	415	5	6	11
TOTALS		1259	1444	20	59	79

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STATEWIDE

CLUSTER TITLE: LIBRARY ARTS

SCHOOL YEAR 1986-87

CLUSTER CODE LA03

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
LIBRARY & ARCHIVAL S	25.0101							2	2
LIBRARY ASSISTING	25.0301							1	1
***TOTALS								3	3

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
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CLUSTER TITLE: LIBRARY ARTS

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE LA03

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
100.127-014	LIBRARIAN	0	0	16	8	N.A.
100.167-026	LIBRARIAN, SPECIAL LIBRARY (L	0	0	0	0	6.74

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
D E M A N D     R E P O R T

STATEWIDE

CLUSTER TITLE: FINE ARTS

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE LA04

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL 1986-1995> GROWTH    REPLAC    OPEN		
MUSICIANS, INSTRUMENTAL	34051178	54	62	1	1	2
PROD., DIRECT., ACTORS, ENTERT	34056182	6	5	0	0	0
TOTALS		60	67	1	1	2

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
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STATEWIDE

CLUSTER TITLE: FINE ARTS

SCHOOL YEAR 1986-87

CLUSTER CODE LA04

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
VISUAL & PERFORMING	50.0101			23					23
CRAFTS, GENERAL	50.0201			17	2				19
DANCE	50.0301			3					3
DRAMATIC ARTS	50.0501			18					18
FINE ARTS, GENERAL	50.0701			11					11
DRAWING	50.0705			20					20
MUSIC, GENERAL	50.0901			10					10
MUSIC PERFORMANCE	50.0903			2				1	3
***TOTALS				104	2			1	107

NO ANALYSIS REPORT AVAILABLE

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
D E M A N D     R E P O R T

STATEWIDE  
CLUSTER TITLE: SOCIAL SCIENCES  
MONTANA DEPARTMENT OF LABOR AND INDUSTRY  
CLUSTER CODE LA05

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL 1986-1995> GROWTH    REPLAC    OPEN		
ALL OTHER SOCIAL SCIENTISTS	27199098	111	116	1	1	2
TOTALS		111	116	1	1	2

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
S U P P L Y     R E P O R T

STATEWIDE  
CLUSTER TITLE: SOCIAL SCIENCES  
SCHOOL YEAR 1986-87  
CLUSTER CODE LA05

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC    JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
HUMANITIES & SOCIAL	30.0401			36				36
ECONOMICS	45.0601			18				18
SOCIOLOGY	45.1101			81				81
***TOTALS				135				135

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
A N A L Y S I S    I N F O R M A T I O N

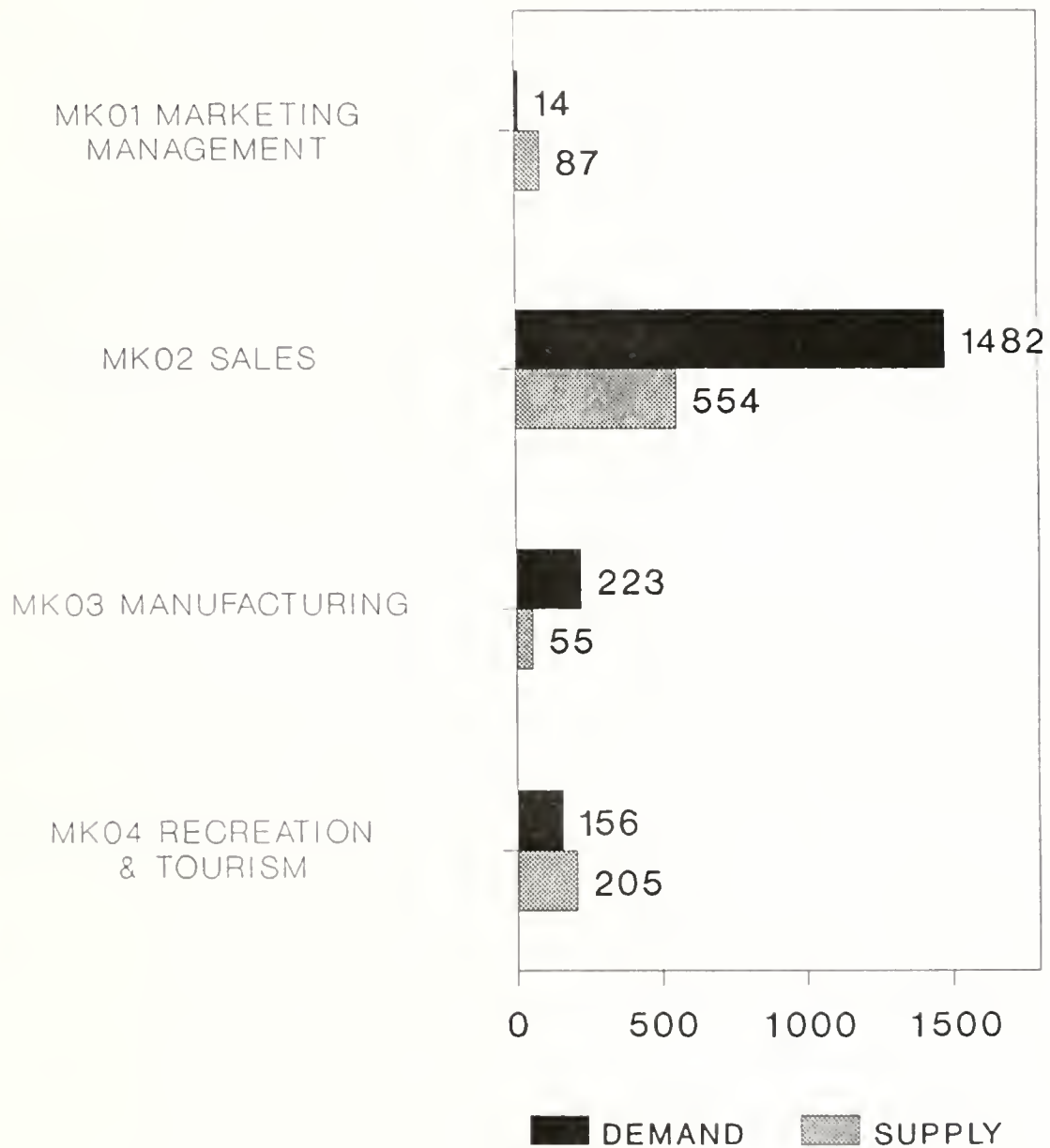
STATEWIDE  
CLUSTER TITLE: SOCIAL SCIENCES  
MONTANA DEPARTMENT OF LABOR AND INDUSTRY  
CLUSTER CODE LA05

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
054.067-014	SOCIOLOGIST	0	0	11	0	N.A.

# MARKETING CLUSTERS

## DEMAND VS. SUPPLY

ESTIMATED ANNUAL OPENINGS VS. TRAINING COMPLETERS



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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
D E M A N D     R E P O R T

STATEWIDE

CLUSTER TITLE: MARKETING MANAGEMENT

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE MK01

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL 1986-1995> GROWTH    REPLAC    OPEN		
PURCHASING MANAGERS	13008023	714	807	10	4	14
TOTALS		714	807	10	4	14

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STATEWIDE

CLUSTER TITLE: MARKETING MANAGEMENT

SCHOOL YEAR 1986-87

CLUSTER CODE OF06

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
MARKETING MANAGEMENT	06.1401		10	51	18			3	82
SMALL BUSINESS MANAG	06.1801			5					5
***TOTALS			10	56	18			3	87

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
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STATEWIDE

CLUSTER TITLE: MARKETING MANAGEMENT

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE MK01

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
012.167-050	PRODUCTION PLANNER	0	0	0	0	11.32
050.067-014	MARKET-RESEARCH ANALYST	0	0	0	0	15.22
183.117-014	PRODUCTION SUPERINTENDENT	0	0	0	0	15.49
183.167-018	GENERAL SUPERVISOR	0	0	0	0	14.48
185.167-034	MANAGER, MERCHANDISE	0	0	0	0	9.82
185.167-038	MANAGER, PARTS	0	0	0	0	9.42
185.167-046	MANAGER, RETAIL STORE	0	0	1209	74	9.43
299.137-010	MANAGER, DEPARTMENT	0	0	69	13	3.81



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D E M A N D     R E P O R T

STATEWIDE

CLUSTER TITLE: SALES

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE MK02

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL GROWTH	1986-1995> REPLAC	OPEN
WHOLESALE, RETAIL BUYERS,EX	21302038	642	692	6	21	27
FIRST LINE SUPERVISORS, SAL	41002268	2037	2328	32	83	115
SALES AGENTS, BUSINESS SERV	43017271	205	230	3	8	11
ALL OTHER SERVICE SALES OCC	43099266	107	140	4	5	9
SALES ENGINEERS	49002272	12	14	0	1	1
SALES REPS,SCIENTIF.PROD.EX	49005274	398	435	4	14	18
SALES REPS EXC.SCIENTIF & R	49008269	1901	2078	20	68	88
SALESPERSONS, RETAIL	49011261	11085	12064	109	495	604
SALESPERSONS, PARTS	49014273	1305	1360	6	28	34
COUNTER & RENTAL CLERKS	49017255	306	375	8	11	19
STOCK CLERKS, SALES FLOOR	49021263	2734	2982	28	110	138
CASHIERS	49023254	6397	7807	157	167	324
VENDORS,SOLICITORS,DOOR-TO-	49026275	184	224	4	7	11
DEMONSTRATORS, PROMOTERS, M	49032267	31	40	1	1	2
ALL OTHER SALES & RELATED O	49999265	450	503	6	45	51
ORDER FILLERS, SALES	58026324	388	367	-2	10	8
DRIVER/SALES WORKERS	97117841	838	888	6	16	22
TOTALS		29020	32527	392	1090	1482

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STATEWIDE  
CLUSTER TITLE: SALES  
SCHOOL YEAR 1986-87

CLUSTER CODE MK02

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
FASHION MERCHANDISING	08.0102		6		1			1	8
FASHION MODELING	08.0103						86		86
FOOTWEAR MARKETING	08.0104				1				1
MARKETING OF BUSINESS	08.0203				10				10
FARM & GARDEN SUPPLIES	08.0502				1			1	2
FLORISTRY	08.0503				1				1
CONVENIENCE STORE MANAGER	08.0602				9			1	10
SUPERMARKET MARKETING	08.0604				1				1
AUCTIONEERING	08.0701				1		140		141
RETAILING	08.0705	164	1		7			1	173
SALES	08.0706				88			4	92
WHOLESALE	08.0707				2				2
APPLIANCE MARKETING	08.0802				2			1	3
BUILDING MATERIALS MARKETING	08.0803				1				1
FURNITURE MARKETING	08.0805				1				1
HARDWARE MARKETING	08.0806				4				4
OFFICE PRODUCTS & EQUIPMENT	08.0807				3			1	4
SPECIALTY HOME FURNISHINGS	08.0808				2				2
HOSPITALITY & RECREATION	08.0901							1	1
RECREATIONAL PRODUCTS	08.0904				1				1
TRANSPORTATION MARKETING	08.1102				1				1
AUTOMOTIVE VEHICLES	08.1203				1				1
SERVICE STATION RETAILER	08.1206				8				8
***TOTALS		164	7		146		226	11	554

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## MONTANA OCCUPATIONAL INFORMATION SYSTEM

## A N A L Y S I S   I N F O R M A T I O N

STATEWIDE

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: SALES

CLUSTER CODE MK02

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
162.157-018	BUYER	0	0	0	0	9.51
162.157-038	PURCHASING AGENT	0	0	87	14	9.89
163.167-018	MANAGER, SALES	0	0	158	8	13.46
211.462-010	CASHIER II	0	0	1604	577	N.A.
222.387-062	STOREKEEPER	0	1	0	0	N.A.
250.257-010	SALES AGENT, INSURANCE	0	0	103	57	7.45
251.357-014	SALES AGENT, BUSINESS SERVICE	0	0	2	2	N.A.
254.357-014	SALES REPRESENTATIVE, ADVERTI	0	0	74	96	6.05
261.357-050	SALESPERSON, MEN'S & BOYS' CL	0	0	25	4	N.A.
261.357-054	SALESPERSON, MEN'S FURNISHING	0	0	8	4	N.A.
261.357-062	SALESPERSON, SHOES	0	0	40	65	N.A.
261.357-066	SALESPERSON, WOMEN'S APPAREL	0	0	141	95	N.A.
273.353-010	SALESPERSON, AUTOMOBILE	0	0	139	22	N.A.
273.357-022	SALES REP., MOTOR VEHICLES &	0	0	20	3	N.A.
274.357-022	SALES REP., CONSTRUCTION MACH	0	0	9	2	N.A.
275.257-010	SALES REPRESENTATIVE, COMPUTE	0	0	0	0	8.59
275.357-034	SALES REP., OFFICE MACHINES	0	0	22	19	N.A.
277.357-034	SALESPERSON, BOOKS	0	0	16	5	N.A.
279.357-014	SALES REPRESENTATIVE, GENERAL	0	0	0	0	8.63
279.357-050	SALESPERSON, GENERAL HARDWARE	0	0	92	48	6.00
279.357-054	SALESPERSON, GENERAL MERCHAND	0	0	470	176	5.14
279.357-062	SALESPERSON, PARTS	2	0	122	37	7.10
290.477-014	SALES CLERK	0	0	230	977	4.67
290.477-018	SALES CLERK, FOOD	0	0	161	104	4.32
292.353-010	DRIVER, SALES ROUTE	0	0	274	117	7.09
292.483-010	COIN COLLECTOR	0	0	10	1	N.A.
920.687-014	BAGGER (GROCERY)	0	0	269	358	3.63

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
D E M A N D     R E P O R T

STATEWIDE

CLUSTER TITLE: MANUFACTURING

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE MK03

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL GROWTH	1986-1995> REPLAC	OPEN
FIRST LINE SUPERV. PRODUCT	81008502	658	653	-1	18	17
OTHER INSPECTORS, TESTER, G	83004670	373	412	4	14	18
MECHANICAL CONTROL INSTAL.&	85928610	66	73	1	0	1
ALL OTHER MECHANICS, INSTAL	85999619	665	751	10	32	42
DETAIL DESIGN DECORATORS &	89911676	18	20	0	0	0
MEDICAL APPLIANCE MAKERS	89923683	6	6	0	0	0
PAPER GOODS MACHINE SETTER/	92914777	46	63	2	2	4
COOKING MACHINE OPER., FOOD	92917766	5	5	0	0	0
ROASTING, DRYING OPER., FOO	92921779	10	9	0	0	0
FURNACE, KILN, OVEN, KETTLE	92923772	135	108	-3	2	-1
DAIRY PROCESSING EQUIP. OPE	92932769	75	77	0	1	1
CUTTING & SLICING SETTER/OP	92941786	5	5	0	0	0
CUTTING & SLICING MACHINE O	92944768	44	50	1	1	2
PAINTERS, TRANSPORTATION EQ	92947776	31	35	0	1	1
COATING, PAINTING SETTER/OP	92951788	11	8	0	0	0
COATING, PAINTING MACH. OPE	92953775	47	51	0	1	1
CEMENTING & GLUING MACHINE	92956763	122	131	1	4	5
CLEANING, PICKLING EQUIP. O	92958783	20	20	0	0	0
SEPARATING, FILTERING MACH.	92962780	30	32	0	1	1
CRUSHING & MIXING MACHINE O	92965767	457	513	6	18	24
EXTRUDING, FORMING SETTER/O	92968787	35	34	0	1	1
EXTRUDING & FORMING OPERATO	92971771	29	34	1	1	2
PACKAGING & FILLING MACHINE	92974774	300	306	1	11	12
ALL OTHER MACHINE SETTERS/O	92997785	51	57	1	1	2
ALL OTHER MACHINE OPERATORS	92998782	390	414	3	6	9
CANNERY WORKERS	93935799	18	17	0	0	0
MOLDERS & CASTERS, HAND	93944807	3	3	0	0	0
PAINTING & COATING, HAND	93947808	11	12	0	0	0
GRINDING & POLISHING, HAND	93953818	108	107	0	4	4
ALL OTHER ASSEMBLERS, FABRI	93956813	487	519	4	26	30
ALL OTHER HAND WORKERS	93999815	167	151	-2	1	-1
MACHINE FEEDERS & OFFBEARER	98502900	1203	1280	9	23	32
HAND PACKERS & PACKAGERS	98902905	507	581	8	8	16
TOTALS		6133	6537	46	177	223

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
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STATEWIDE  
CLUSTER TITLE: MANUFACTURING  
SCHOOL YEAR 1986-87

CLUSTER CODE MK03

- PROGRAM -	CODE	PUBLIC	VOC	HIGHER	JTPA	JOB	PRIV.	VOC	TOTAL
TITLE		SECOND	TECH	EDUC		CORPS	SCHOOL	REHAB	*****
PURCHASING	08.0704				5				5
FOOD PROCESSING TECH	15.0602				9				9
INDUSTRIAL TECHNOLOG	15.0603				25				25
PRECISION WORK, ASSO	48.0699				9				9
FURNITURE MAKING	48.0702				6			1	7
***TOTALS					54			1	55

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A N A L Y S I S   I N F O R M A T I O N

STATEWIDE  
CLUSTER TITLE: MANUFACTURING

MONTANA DEPARTMENT OF LABOR AND INDUSTRY  
CLUSTER CODE MK03

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
012.167-042	MANUFACTURING ENGINEER	0	0	1	0	N.A.
012.261-014	QUALITY-CONTROL TECHNICIAN	0	0	0	0	11.51
534.662-010	BACK TENDER, PAPER MACHINE	0	0	4	7	N.A.
559.567-010	LABORER, GENERAL	0	0	2	1	N.A.
575.382-014	FORMING-MACHINE OPERATOR	0	0	1	0	N.A.
649.380-010	MACHINE SET-UP OPERATOR, PAPE	0	0	1	0	N.A.
649.685-014	BAG-MACHINE OPERATOR	0	0	0	3	N.A.
649.687-010	PAPER SORTER & COUNTER	0	0	1	0	N.A.
659.662-010	PRINTER-SLOTTER OPERATOR	0	0	1	0	N.A.
681.685-154	YARN WINDER	0	0	1	0	N.A.
706.687-010	ASSEMBLER, PRODUCTION	0	0	0	0	8.08
737.587-014	FIREWORKS ASSEMBLER	0	0	1	3	N.A.
739.687-030	ASSEMBLER, ARRANGER	0	0	2	181	N.A.
741.684-026	PAINTER, SPRAY I	0	0	14	12	8.45
741.687-018	PAINTER, SPRAY II	0	0	6	0	N.A.
750.384-010	TIRE BUILDER, AUTOMOBILE	0	0	1	0	N.A.
750.685-014	TIRE RECAPPER	0	0	0	0	7.19
754.684-030	FINISHER, HAND	0	0	0	1	N.A.
754.687-010	LABORER, GENERAL (MFG.)	0	0	2	0	N.A.
759.584-010	RUBBER-GOODS INSPECTOR-TESTER	0	0	1	0	N.A.
763.684-014	CABINET ASSEMBLER	0	0	8	0	N.A.
806.381-026	ASSEMBLER, AIRCRAFT, STRUCTUR	0	0	1	0	N.A.
806.381-058	TRAILER ASSEMBLER	0	0	3	1	N.A.
806.684-010	ASSEMBLER, AUTOMOTIVE	0	0	4	0	N.A.
809.684-010	ASSEMBLER, PRODUCTION LINE	0	0	1	0	N.A.
813.684-022	SOLDERER, PRODUCTION LINE	0	0	1	0	N.A.
819.684-010	WELDER, PRODUCTION LINE	0	0	5	4	N.A.
826.361-010	ASSEMBLER & WIRER, INDUSTRIAL	0	0	1	0	N.A.
827.684-010	APPLIANCE ASSEMBLER, LINE	0	0	1	0	N.A.
828.381-014	PRECISION ASSEMBLER	0	0	3	0	N.A.
869.684-010	ASSEMBLER	0	0	26	1	N.A.
920.587-018	PACKAGER, HAND	0	0	143	69	7.26
920.685-078	PACKAGER, MACHINE	0	0	16	3	N.A.
920.687-126	MARKER II	0	0	3	0	N.A.



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STATEWIDE

CLUSTER TITLE: RECREATION & TOURISM

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE MK04

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL 1986-1995> GROWTH    REPLAC    OPEN		
RECREATION WORKERS	27311102	264	286	2	3	5
ATHLETE, COACH, UMPIRE & RE	34058172	104	123	2	1	3
TRAVEL AGENTS	43021264	283	374	10	13	23
RESERVATION & TRANS.TICKET	53805312	341	460	13	9	22
HOTEL DESK CLERKS	53808308	786	829	5	60	65
AMUSEMENT & RECREATION ATTE	68014407	508	672	18	8	26
GUIDES	68017416	31	37	1	2	3
USHERS, LOBBY ATT., TICKET	68021421	93	89	0	5	5
BAGGAGE PORTERS & BELLHOPS	68023408	93	91	0	4	4
TOTALS		2503	2961	51	105	156

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
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STATEWIDE

CLUSTER TITLE: RECREATION & TOURISM

SCHOOL YEAR 1986-87

CLUSTER CODE MK04

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
HOTEL/MOTEL MANAGEME	06.0701			3					3
TRAVEL SERVICES MARK	08.1105				2		35	1	38
CARD DEALING	12.0203				1				1
OUTDOOR RECREATION	31.0201						137		137
PARKS & RECREATION M	31.0301			23					23
LEISURE & RECREATION	36.0101				1				1
SPORTS/PHYSICAL EDUC	36.0108				2				2
***TOTALS				26	6		172	1	205

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## MONTANA OCCUPATIONAL INFORMATION SYSTEM

## A N A L Y S I S I N F O R M A T I O N

STATEWIDE

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: RECREATION &amp; TOURISM

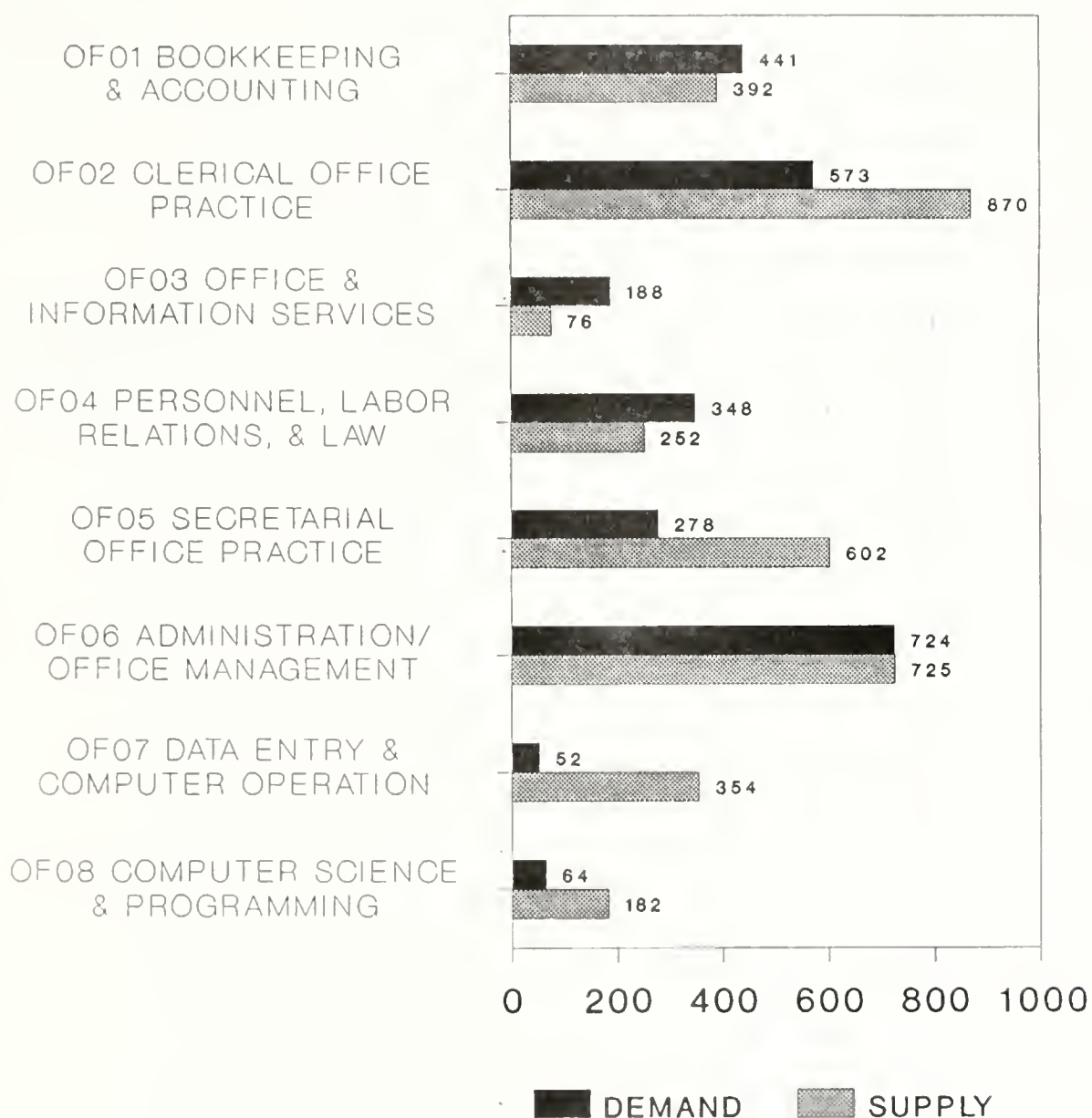
CLUSTER CODE MK04

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
159.124-010	COUNSELOR, CAMP	0	0	32	21	N.A.
187.117-038	MANAGER, HOTEL OR MOTEL	0	0	0	0	4.29
187.117-042	MANAGER, RECREATION ESTABLISH	0	0	0	0	7.45
187.137-010	RECREATION SUPERVISOR	0	0	0	0	5.85
187.167-114	MANAGER, GOLF CLUB	0	0	0	0	6.62
238.362-010	HOTEL CLERK (MOTEL)	0	0	371	210	4.27
238.367-026	TICKET AGENT	0	0	39	59	N.A.
252.157-010	TRAVEL AGENT	0	0	0	0	5.55
320.137-014	MANAGER, LODGING FACILITIES	0	0	0	0	7.26
324.677-010	BELLHOP	0	0	0	0	3.29
329.467-010	ATTENDANT, LODGING FACILITIES	0	0	0	0	3.50
340.367-010	DESK CLERK, BOWLING FLOOR	0	0	0	0	4.58
341.367-010	RECREATION-FACILITY ATTENDANT	0	0	0	0	3.86
344.667-010	TICKET TAKER	0	0	0	0	3.78
406.137-010	GREENSKEEPER I	0	0	0	0	13.73
406.683-010	GREENSKEEPER II	0	0	0	0	5.58
732.364-014	SKI BINDING FITTER & REPAIRER	0	0	0	0	4.55
732.684-122	SPORTS-EQUIPMENT REPAIRER	0	0	0	0	5.25

# OFFICE CLUSTERS

## DEMAND VS. SUPPLY

ESTIMATED ANNUAL OPENINGS VS. TRAINING COMPLETERS



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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
D E M A N D     R E P O R T

STATEWIDE

CLUSTER TITLE: BOOKKEEPING &amp; ACCOUNTING

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE OF01

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL GROWTH	1986-1995> REPLAC	OPEN
ACCOUNTANTS & AUDITORS	21114025	1998	2505	56	73	129
BOOKKEEPING & ACCOUNTING CL	55338305	7029	7522	55	257	312
TOTALS		9027	10027	111	330	441

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
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STATEWIDE

CLUSTER TITLE: BOOKKEEPING &amp; ACCOUNTING

SCHOOL YEAR 1986-87

CLUSTER CODE OF01

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
ACCOUNTING	06.0201			164					164
TAXATION	06.1901						92		92
ACCOUNTING, BOOKKEEP	07.0101		61						61
ACCOUNTING & COMPUTI	07.0102				27			5	32
BOOKKEEPING	07.0103				31	2			33
MACHINE BILLING, BOO	07.0104		7					3	10
***TOTALS			68	164	58	2	92	8	392

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
 A N A L Y S I S I N F O R M A T I O N

STATEWIDE MONTANA DEPARTMENT OF LABOR AND INDUSTRY  
 CLUSTER TITLE: BOOKKEEPING & ACCOUNTING CLUSTER CODE OF01

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
160.162-014	AUDITOR	0	0	25	34	11.76
160.167-010	ACCOUNTANT	0	0	293	55	11.18
160.167-018	ACCOUNTANT, COST	0	0	0	0	11.03
160.167-034	INTERNAL AUDITOR	0	0	0	0	10.88
210.382-010	AUDIT CLERK	0	0	52	24	N.A.
210.382-014	BOOKKEEPER I	0	0	1060	259	6.62
210.382-018	BOOKKEEPER II	0	0	583	147	N.A.
210.382-022	BOOKKEEPING-MACHINE OPERATOR	0	0	10	5	4.45
216.382-010	ACCOUNTING CLERK, DATA PROCES	0	1	0	0	N.A.
216.382-062	STATISTICAL CLERK	0	0	0	0	9.91
216.482-010	ACCOUNTING CLERK	0	0	238	67	6.38

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
D E M A N D     R E P O R T

STATEWIDE

CLUSTER TITLE: CLERICAL OFFICE PRACTICE

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE OF02

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL GROWTH	1986-1995> REPLAC	OPEN
FIRST LINE SUPERVISORS, CLE	51002369	2300	2559	29	59	88
INVESTIGATORS, CLERICAL	53505371	12	16	0	0	0
STENOGRAPHERS	55302346	287	189	-11	4	-7
TYPISTS	55307347	1254	1226	-3	43	40
CORRESPONDENCE CLERKS	55317368	95	111	2	4	6
FILE CLERKS	55321336	402	415	1	11	12
ORDER CLERKS: MATERIALS, SE	55323338	308	342	4	5	9
PROCUREMENT CLERKS	55326325	67	75	1	2	3
STATISTICAL CLERKS	55328362	116	102	-2	2	0
PAYROLL & TIMEKEEPING CLERK	55341306	493	476	-2	7	5
GENERAL OFFICE CLERKS	55347357	6336	6671	37	224	261
BILL., POST, CALCULATING MA	56002304	362	405	5	5	10
DUPLICATING MACHINE OPERATO	56005298	64	64	0	1	1
ALL OTHER OFFICE MACH. OPER	56099300	94	100	1	1	2
WEIGHERS, MEASURERS, CHECKE	58017330	35	36	0	2	2
MARKING CLERKS	58021332	118	126	1	3	4
STOCK CLERKS:STOCKROOM OR W	58023327	1643	1613	-3	42	39
TRAFFIC, SHIPPING, & REC. C	58028328	1404	1497	10	17	27
ALL OTHER CLERICAL & ADM.SU	59999367	1261	1407	16	55	71
TOTALS		16651	17430	86	487	573

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
S U P P L Y     R E P O R T

STATEWIDE

CLUSTER TITLE: CLERICAL OFFICE PRACTICE

SCHOOL YEAR 1986-87

CLUSTER CODE OF02

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
STENOGRAPHIC	07.0607		2	2	1				5
TYPING, GENERAL OFFI	07.0701	624							624
CLERK-TYPIST	07.0702		18	14	11	26		2	71
GENERAL OFFICE CLERK	07.0705		11	7	96	1		6	121
SHIPPING, RECEIVING,	07.0708				42	3			45
TRAFFIC, RATE, & TRA	07.0709				4				4
***TOTALS		624	31	23	154	30		8	870



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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
A N A L Y S I S   I N F O R M A T I O N

STATEWIDE MONTANA DEPARTMENT OF LABOR AND INDUSTRY  
CLUSTER TITLE: CLERICAL OFFICE PRACTICE CLUSTER CODE OF02

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
169.167-010	ADMINISTRATIVE ASSISTANT	0	0	331	126	11.56
202.362-014	STENOGRAPHER	0	0	18	11	6.71
203.362-010	CLERK-TYPIST	0	2	412	231	5.87
203.582-018	CRYPTOGRAPHIC-MACHINE OPERATO	0	5	0	0	N.A.
203.582-058	TRANSCRIBING-MACHINE OPERATOR	0	0	0	0	6.11
203.582-066	TYPIST	0	0	35	58	N.A.
206.362-010	FILE CLERK I	0	0	65	48	4.91
206.367-014	FILE CLERK II	0	0	8	4	N.A.
208.462-010	MAILING-MACHINE OPERATOR	0	0	3	0	N.A.
209.387-010	CODING CLERK	0	0	3	1	5.03
209.562-010	CLERK GENERAL	0	0	1812	1086	5.93
209.687-010	CHECKER II (CLERICAL)	0	0	47	13	N.A.
209.687-022	SORTER (CLERICAL)	0	0	1	4	N.A.
211.462-014	CASHIER CHECKER	0	0	0	0	4.75
214.382-014	BILLING TYPIST	0	0	14	1	7.10
214.482-010	BILLING-MACHINE OPERATOR	0	0	0	0	5.71
215.482-010	PAYROLL CLERK	0	1	54	200	7.44
216.362-014	COLLECTION CLERK (FINAN. INST	0	0	0	0	6.69
216.382-034	COST CLERK (CLERICAL)	0	0	6	1	N.A.
216.482-022	CALCULATING-MACHINE OPERATOR	0	0	1	0	N.A.
217.382-010	PROOF-MACHINE OPERATOR	0	0	35	11	5.36
219.362-010	ADMINISTRATIVE CLERK	0	10	1401	645	5.23
219.367-034	STOCK-CONTROL CLERK	0	2	0	0	N.A.
221.367-042	MATERIAL EXPEDITER	0	0	1	0	N.A.
221.367-070	SERVICE CLERK	0	0	0	0	5.98
221.382-018	PRODUCTION CLERK	0	0	0	0	7.34
222.367-038	MAGAZINE KEEPER	0	1	0	0	N.A.
222.367-042	PARTS CLERK	0	1	0	0	N.A.
222.387-026	INVENTORY CLERK	0	0	0	0	6.68
222.387-050	SHIPPING & RECEIVING CLERK	0	1	0	0	6.19
222.387-058	STOCK CLERK	0	5	466	225	5.99
239.567-010	OFFICE HELPER	0	0	0	0	5.96
241.267-030	INVESTIGATOR (CLERICAL)	0	0	0	0	4.97
247.367-010	CLASSIFIED-AD CLERK	0	0	9	2	N.A.
249.367-054	ORDER CLERK (CLERICAL)	0	0	0	0	6.60
299.367-014	STOCK CLERK, SELF-SERVICE STO	0	0	0	0	5.74
299.477-010	DELIVERER, MERCHANDISE	0	0	0	0	4.66
922.687-058	LABORER, STORES	0	0	0	0	7.28

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
D E M A N D     R E P O R T

STATEWIDE

CLUSTER TITLE: OFFICE & INFORMATION SERVICES

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE OF03

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL GROWTH	1986-1995 REPLAC	1986-1995 OPEN
RADIO OPERATORS	39008241	11	12	0	0	0
TRAVEL CLERKS	53802313	40	41	0	1	1
RECEPTIONISTS, INFORMATION C	55305310	2059	2289	26	49	75
MAIL MACHINE OPERATORS	56008301	68	74	1	3	4
SWITCHBOARD OPERATORS	57102291	590	704	13	12	25
DIRECTORY ASSISTANCE OPERAT	57105290	25	23	0	0	0
CENTRAL OFFICE OPERATORS	57108289	218	191	-3	4	1
TELEGRAPH & TELETYPE OPERAT	57111292	5	5	0	0	0
ALL OTHER COMMUNICATION OPE	57199293	7	8	0	0	0
MAIL CLERKS, EXC. MAIL MACH	57302315	171	169	0	3	3
POSTAL MAIL CARRIERS	57305317	626	675	5	47	52
POSTAL SERVICE CLERKS	57308318	309	301	-1	12	11
MESSENGERS	57311316	67	68	0	1	1
DISPATCHERS: EXC. POL., FIRE	58005321	390	418	3	6	9
PRODUCTION, EXPEDITING CLER	58008326	170	177	1	5	6
TOTALS		4756	5155	45	143	188

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
S U P P L Y     R E P O R T

STATEWIDE

CLUSTER TITLE: OFFICE & INFORMATION SERVICES

SCHOOL YEAR 1986-87

CLUSTER CODE OF03

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
RECEPTIONIST & COMMU	07.0707		4		66			6	76
***TOTALS			4		66			6	76

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
 A N A L Y S I S I N F O R M A T I O N

STATEWIDE MONTANA DEPARTMENT OF LABOR AND INDUSTRY  
 CLUSTER TITLE: OFFICE & INFORMATION SERVICES CLUSTER CODE OF03

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
184.167-230	SUPERVISOR OF COMMUNICATIONS	0	1	0	0	N.A.
193.262-022	RADIO OFFICER	0	2	0	0	N.A.
193.262-034	RADIOTELEPHONE OPERATOR	0	12	0	0	N.A.
193.362-014	RADIO-INTELLIGENCE OPERATOR	0	1	0	0	N.A.
203.582-050	TELEGRAPHIC-TYPEWRITER OPERAT	0	1	0	0	N.A.
205.367-054	SURVEY WORKER (INTERVIEWER)	0	0	29	50	5.28
209.587-026	MAIL CLERK	0	0	78	69	5.45
209.687-014	MAIL HANDLER	0	0	8	0	N.A.
235.462-010	CENTRAL-OFFICE OPERATOR	0	1	42	1	N.A.
235.662-022	TELEPHONE OPERATOR	0	0	129	73	8.12
235.662-026	TELEPHONE-ANSWERING-SERVICE O	0	0	8	14	N.A.
237.367-010	APPOINTMENT CLERK	0	0	9	13	N.A.
237.367-022	INFORMATION CLERK	0	0	6	5	N.A.
237.367-038	RECEPTIONIST	0	0	1111	403	5.28
239.367-010	CUSTOMER-SERVICE REPRESENTATI	0	0	0	0	6.08
241.357-010	COLLECTION CLERK	0	0	35	18	N.A.
249.167-014	DISPATCHER, MOTOR VEHICLE	0	0	35	5	7.80
299.357-014	TELEPHONE SOLICITOR	0	0	143	410	5.71
299.367-010	CUSTOMER-SERVICE CLERK	0	0	0	0	7.07

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
D E M A N D     R E P O R T

STATEWIDE

CLUSTER TITLE: PERSONNEL, LABOR RELATIONS, & LAW

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE OF04

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL GROWTH	1986-1995> REPLAC	OPEN
PERSONNEL, TRAINING, LABOR RE	13005021	205	227	2	5	7
CLAIMS TAKERS, UNEMPLOY. BEN	21502032	102	96	-1	2	1
EMPLOYMENT INTERVIEWERS	21508033	200	212	1	4	5
PERSONNEL, TRAIN., LABOR REL.	21511034	547	523	-3	11	8
COMPLIANCE & ENFORCE. INSPE	21911028	525	560	4	25	29
JUDGES & MAGISTRATES	28102109	215	233	2	37	39
ADJUDICATORS & HEARING OFFI	28105108	24	25	0	4	4
LAWYERS	28108110	988	1313	36	40	76
LAW CLERKS	28302234	89	95	1	4	5
PARALEGAL PERSONNEL	28305235	161	263	11	10	21
TITLE SEARCHERS	28308238	53	61	1	3	4
TITLE EXAMINERS & ABSTRACTO	28311237	140	159	2	7	9
ALL OTHER LEGAL ASSISTANTS	28399239	183	197	2	9	11
COURT CLERKS	53702351	252	292	4	11	15
MUNICIPAL CLERKS	53705359	153	168	2	7	9
LICENSE CLERKS	53708285	80	88	1	3	4
LEGAL SECRETARIES	55102343	669	927	29	20	49
PERSONNEL CLERKS, EXCEPT PA	55314339	264	286	2	9	11
INTERVIEWING CLERKS, EX. PERS	55332370	585	752	19	22	41
TOTALS		5435	6477	115	233	348

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
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STATEWIDE

CLUSTER TITLE: PERSONNEL, LABOR RELATIONS, & LAW

SCHOOL YEAR 1986-87

CLUSTER CODE OF04

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
HUMAN RESOURCES DEVE	06.0601			11					11
PERSONNEL ASSISTING	07.0503				1				1
LEGAL SECRETARIAL	07.0604		40	4	15			1	60
LAW	22.0101			74				2	76
LEGAL ASSISTING	22.0103			12	5			1	18
INTERNATIONAL RELATI	45.0901			6					6
POLITICAL SCIENCE &	45.1001			80					80
***TOTALS			40	187	21			4	252

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MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: PERSONNEL, LABOR RELATIONS, &amp; LAW

CLUSTER CODE OF04

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
110.107-010	LAWYER	0	0	59	17	12.20
119.267-026	PARALEGAL ASSISTANT	0	1	0	0	8.69
119.287-010	TITLE EXAMINER	0	0	0	0	6.99
166.117-018	MANAGER, PERSONNEL RECRUITER	0	2	0	0	N.A.
166.267-018	JOB ANALYST	0	0	7	3	N.A.
201.362-010	LEGAL SECRETARY	0	0	233	137	7.00
205.362-014	EMPLOYMENT CLERK	0	1	32	6	N.A.
209.132-010	SUPERVISOR, PERSONNEL CLERKS	0	1	0	0	N.A.
209.362-026	PERSONNEL CLERK	0	6	0	0	N.A.
209.367-046	TITLE SEARCHER (REAL ESTATE)	0	0	0	0	5.05

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STATEWIDE

CLUSTER TITLE: SECRETARIAL OFFICE PRACTICE

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE OF05

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL GROWTH	1986-1995 REPLAC	1995 OPEN
ALL OTHER SECRETARIES	55199345	6567	7470	100	178	278
TOTALS		6567	7470	100	178	278

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
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CLUSTER TITLE: SECRETARIAL OFFICE PRACTICE

SCHOOL YEAR 1986-87

CLUSTER CODE OF05

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
SECRETARIAL & RELATE	07.0601	478		25					503
EXECUTIVE SECRETARIA	07.0603				8			7	15
SECRETARIAL	07.0606		16	3	65				84
***TOTALS		478	16	28	73			7	602

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STATEWIDE

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: SECRETARIAL OFFICE PRACTICE

CLUSTER CODE OF05

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
169.167-014	ADMINISTRATIVE SECRETARY	0	0	0	0	9.45
201.362-030	SECRETARY	0	0	1328	397	6.50



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STATEWIDE

CLUSTER TITLE: ADMINISTRATION/OFFICE MANAGEMENT

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE OF06

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL 1986-1995> GROWTH	REPLAC	OPEN
ADMINISTRATIVE SERVICES MAN	13014010	390	432	5	15	20
POSTMASTERS, MAIL SUPERINTE	15002007	365	397	4	26	30
EDUCATION ADMINISTRATORS	15005013	994	1174	20	37	57
MEDICINE & HEALTH SERV. MGR	15008019	422	513	10	17	27
INDUSTRIAL PRODUCTION MANAG	15014017	207	217	1	8	9
CONSTRUCTION MANAGERS	15017012	503	613	12	21	33
MINING & RELATED MANAGERS	15021020	134	144	1	5	6
COMMUNICATION, TRANSP., UTIL.	15023011	649	718	8	25	33
PUBLIC ADMIN., LEG., GEN. A	19002008	779	858	9	48	57
GENERAL MANAGERS & TOP EXEC	19005016	5745	6410	74	226	300
ALL OTHER MANAGERS & ADMINI	19999009	960	1099	15	38	53
BUDGET ANALYSTS	21117043	88	94	1	2	3
COST ESTIMATORS	21902030	284	335	6	1	7
MANAGEMENT ANALYSTS	21905047	95	107	1	3	4
ALL OTHER MANAGEMENT SUPPOR	21999042	695	816	13	4	17
ALL OTHER PROF., PARAPROF., T	39999247	1615	1769	17	31	48
ALL OTHER FIRST LINE SUPERV	81099504	377	429	6	14	20
TOTALS		14302	16125	203	521	724

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STATEWIDE

CLUSTER TITLE: ADMINISTRATION/OFFICE MANAGEMENT

SCHOOL YEAR 1986-87

CLUSTER CODE OF06

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
BUSINESS & MANAGEMEN	06.0101		5	324					329
BUSINESS ADMINISTRAT	06.0401			355					355
RECREATIONAL ENTERPR	06.0702							2	2
TRANSPORTATION MANAG	06.0705							1	1
INTERNATIONAL BUSINE	06.0901			1					1
TRADE & INDUSTRIAL S	06.2001				1			1	2
OFFICE SUPERVISION &	07.0401				7			4	11
PUBLIC AFFAIRS, GENE	44.0101			15				1	16
PUBLIC ADMINISTRATIO	44.0401			8					8
***TOTALS			5	703	8			9	725

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STATEWIDE MONTANA DEPARTMENT OF LABOR AND INDUSTRY  
CLUSTER TITLE: ADMINISTRATION/OFFICE MANAGEMENT CLUSTER CODE OF06

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
059.267-010	INTELLIGENCE SPECIALIST	0	5	0	0	N.A.
160.267-018	ESTIMATOR	0	0	35	4	5.99
161.167-010	MANAGEMENT ANALYST	0	0	0	0	15.31
166.167-030	MANAGER, EMPLOYMENT	0	0	0	0	10.75
166.167-042	SENIOR ENLISTED ADVISOR	0	1	0	0	N.A.
168.167-054	MANAGER, CREDIT & COLLECTION	0	0	0	0	11.37
168.267-058	INSPECTOR, MOTOR VEHICLE	0	0	7	12	N.A.
169.167-030	MANAGER, ELECTRONIC DATA PROC	0	0	0	0	15.50
169.167-034	MANAGER, OFFICE	0	0	646	49	10.45
184.167-094	MANAGER, TRAFFIC (ANY IND.)	0	0	0	0	11.10
184.167-114	MANAGER, WAREHOUSE	0	0	0	0	12.32
185.167-014	MANAGER, AUTOMOBILE SERVICE S	0	0	58	2	8.46
186.117-014	CONTROLLER	0	1	0	0	17.13
187.117-010	HOSPITAL ADMINISTRATOR	0	0	0	0	20.92
187.117-018	DIRECTOR, INSTITUTION	0	0	0	0	10.67
187.117-026	EXECUTIVE DIRECTOR, SHELTERED	0	0	0	0	10.64
187.167-082	MANAGER, CUSTOMER SERVICE	0	0	0	0	8.46
187.167-142	MANAGER, SERVICE DEPARTMENT	0	0	0	0	9.93
187.167-154	MANAGER, THEATER	0	0	20	2	N.A.
188.137-010	SUPERVISOR (GOVT.)	0	0	34	19	N.A.
189.117-014	DIRECTOR, RESEARCH & DEVELOPM	0	0	0	0	6.05
189.117-022	MANAGER, INDUSTRIAL ORGANIZAT	0	0	25	0	17.15
189.117-026	PRESIDENT	0	0	0	0	21.41
189.117-034	VICE PRESIDENT	0	0	0	0	19.88
189.167-018	MANAGEMENT TRAINEE	0	0	0	0	5.26
189.167-030	PROGRAM MANAGER	0	0	0	0	8.18

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STATEWIDE

CLUSTER TITLE: DATA ENTRY & COMPUTER OPERATION

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE OF07

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL 1986-1995> GROWTH	REPLAC	OPEN
TYPISTS, WORD PROCESSING EQ	55311349	554	655	11	20	31
COMPUTER OPERATORS, EXC. PE	56011295	720	885	18	6	24
PERIPHERAL EDP EQUIP. OPERA	56014296	110	131	2	1	3
DATA ENTRY KEYERS, EX. COMP	56017355	625	548	-9	2	-7
DATA ENTRY KEYERS, COMPOSIN	56021356	40	48	1	0	1
TOTALS		2049	2267	23	29	52

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STATEWIDE

CLUSTER TITLE: DATA ENTRY & COMPUTER OPERATION

SCHOOL YEAR 1986-87

CLUSTER CODE OF07

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
BUSINESS COMPUTER &	07.0302				8		228	6	242
BUSINESS DATA ENTRY	07.0303		74		22			4	100
WORD PROCESSING	07.0801		35	12	13				12
***TOTALS			109	12	43		228	10	354

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MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: DATA ENTRY & COMPUTER OPERATION

CLUSTER CODE OF07

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
203.362-022	WORD PROCESSOR	0	0	0	0	6.58
203.582-026	DATA-CODER OPERATOR	0	0	0	0	6.01
203.582-030	KEYPUNCH OPERATOR	0	0	84	57	5.78
203.582-054	TERMINAL OPERATOR	0	0	0	0	6.12
213.362-010	COMPUTER OPERATOR (CLERICAL)	0	2	327	88	7.09

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D E M A N D     R E P O R T

STATEWIDE

CLUSTER TITLE: COMPUTER SCIENCE & PROGRAMMING

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE OF08

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL GROWTH	1986-1995 REPLAC	1995-1995 OPEN
COMPUTER SYSTEMS ANALYSTS,	25102076	281	372	10	2	12
COMPUTER PROGRAMMERS & AIDE	25104230	668	890	25	27	52
PROGRAMMERS: NUMERICAL, TOO	25111240	3	2	0	0	0
OPERATIONS & SYSTEMS ANALYS	25302252	22	26	0	0	0
TOTALS		974	1290	35	29	64

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STATEWIDE

CLUSTER TITLE: COMPUTER SCIENCE & PROGRAMMING

SCHOOL YEAR 1986-87

CLUSTER CODE OF08

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
MANAGEMENT INFORMATI	06.1201			18					18
BUSINESS DATA PROGRA	07.0305		11	3	1				15
BUSINESS SYSTEMS ANA	07.0306				1				1
COMPUTER & INFORMATI	11.0101			139					139
COMPUTER PROGRAMMING	11.0201			3				1	4
COMPUTER ENGINEERING	14.0901							1	1
COMPUTER TECHNOLOGY	15.0301			4					4
***TOTALS			11	167	2			2	182

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
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MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: COMPUTER SCIENCE & PROGRAMMING

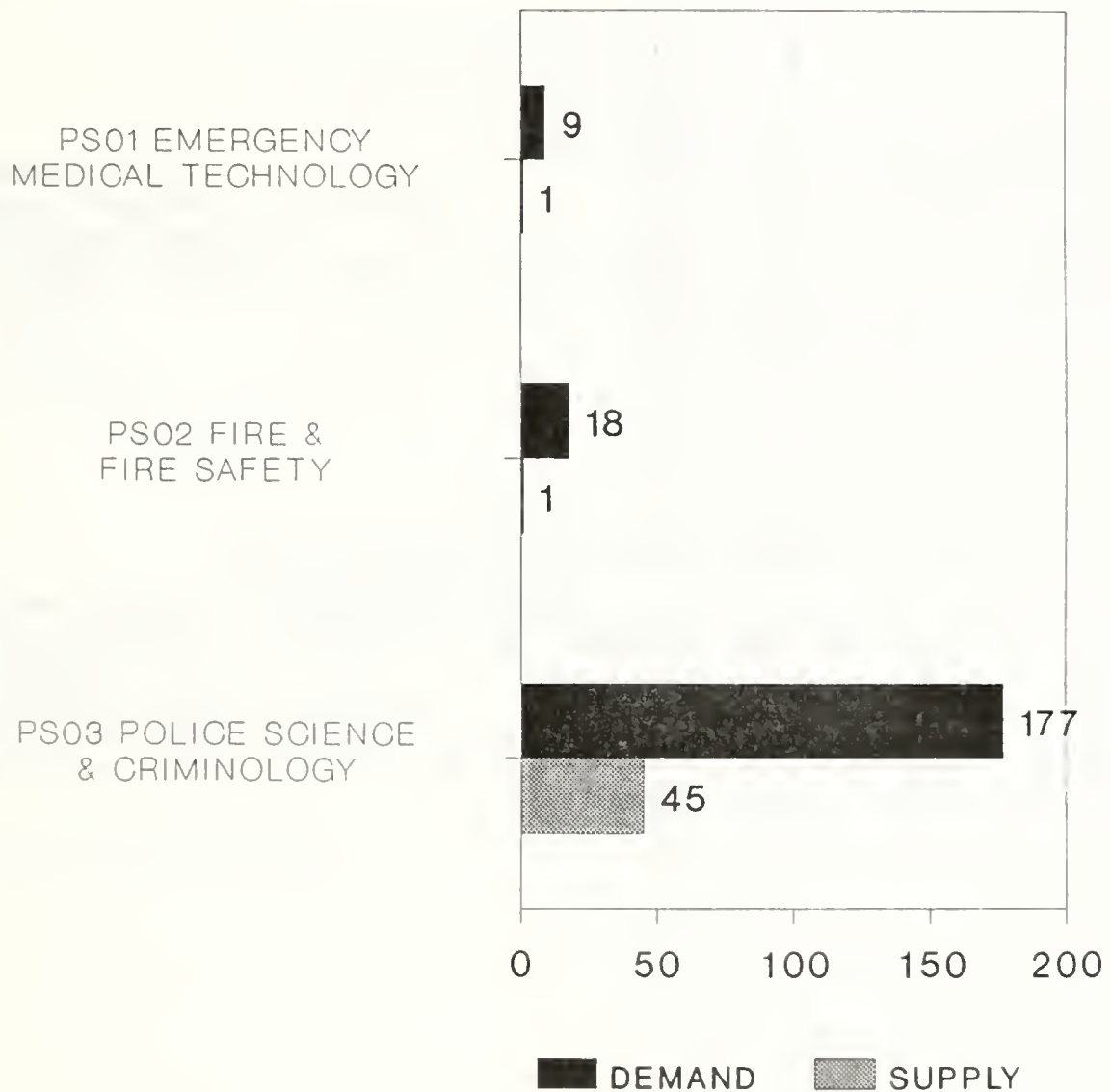
CLUSTER CODE OF08

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
012.167-066	SYSTEMS ANALYST, ELECT. DATA	0	0	95	38	12.69
020.062-010	COMPUTER-APPLICATIONS ENGINEE	0	0	0	0	18.95
020.167-014	PROGRAMER, BUSINESS	0	0	64	4	N.A.
020.167-022	PROGRAMER, ENGINEERING & SCIE	0	0	7	1	N.A.
020.187-010	PROGRAMMER, INFORMATION SYSTE	0	0	0	0	11.07
020.187-014	PROGRAMMER, PROCESS CONTROL	0	0	0	0	10.70
219.367-026	PROGRAMER, DETAIL	0	0	4	3	N.A.

# PROTECTIVE SERVICE CLUSTERS

## DEMAND VS. SUPPLY

ESTIMATED ANNUAL OPENINGS VS. TRAINING COMPLETERS



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STATEWIDE

CLUSTER TITLE: EMERGENCY MEDICAL TECHNOLOGY

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE PS01

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL GROWTH	1986-1995 REPLAC	1986-1995 OPEN
EMERGENCY MEDICAL TECHNICIA	32508197	255	287	4	2	6
AMBULANCE DRIVERS & ATTENDA	66023397	66	74	1	2	3
TOTALS		321	361	5	4	9

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
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STATEWIDE

CLUSTER TITLE: EMERGENCY MEDICAL TECHNOLOGY

SCHOOL YEAR 1986-87

CLUSTER CODE PS01

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
EMERGENCY MEDICAL TE	17.0206							1	1
***TOTALS								1	1

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
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MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: EMERGENCY MEDICAL TECHNOLOGY

CLUSTER CODE PS01

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
079.374-010	EMERGENCY MEDICAL TECHNICIAN	0	4	0	0	N.A.



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STATEWIDE

CLUSTER TITLE: FIRE & FIRE SAFETY

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE PS02

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL GROWTH	1986-1995> REPLAC	OPEN
FIRE FIGHTING & PREV.SUPERV	61002433	117	134	2	2	4
FIRE INSPECTORS	63001434	13	14	0	0	0
FIRE FIGHTERS	63008432	526	600	8	6	14
TOTALS		656	748	10	8	18

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
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STATEWIDE

CLUSTER TITLE: FIRE & FIRE SAFETY

SCHOOL YEAR 1986-87

CLUSTER CODE PS02

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
FIRE FIGHTING	43.0203					1			1
***TOTALS						1			1

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
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STATEWIDE

CLUSTER TITLE: FIRE & FIRE SAFETY

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE PS02

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
373.364-010	FIRE FIGHTER	3	3	130	153	N.A.

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
D E M A N D     R E P O R T

STATEWIDE

CLUSTER TITLE: POLICE SCIENCE & CRIMINOLOGY

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE PS03

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL GROWTH	1986-1995 REPLAC	1986-1995 OPEN
DISPATCHER:POLICE,FIRE,AMBU	58002322	446	491	5	7	12
POLICE & DETECTIVE SUPERVIS	61005438	210	231	2	2	4
POLICE DETECTIVES	63011441	98	106	1	1	2
POLICE PATROL OFFICERS	63014442	920	1021	11	12	23
CORRECTION OFFICERS & JAILE	63017430	371	458	10	12	22
PARKING ENFORCEMENT OFFICER	63021446	51	62	1	2	3
BAILIFFS	63023444	27	29	0	1	1
U.S. MARSHALLS	63026449	2	2	0	0	0
CRIMINAL INVESTIGATORS, FED	63028440	41	44	0	1	1
SHERIFFS,DEPUTIES,U.S. MARS	63031447	683	709	3	24	27
PRIVATE DETECTIVE & INVESTI	63035452	80	91	1	6	7
RAILROAD POLICE & SPECIAL A	63038455	10	9	0	1	1
CROSSING GUARDS	63044451	106	127	2	6	8
GUARDS & WATCH GUARDS	63047453	670	746	8	52	60
ALL OTHER PROTECTIVE SERVIC	63099454	385	433	5	1	6
TOTALS		4100	4559	49	128	177

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STATEWIDE

CLUSTER TITLE: POLICE SCIENCE & CRIMINOLOGY

SCHOOL YEAR 1986-87

CLUSTER CODE PS03

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
CORRECTIONS	43.0102					5			5
CRIMINAL JUSTICE STU	43.0104			14					14
LAW ENFORCEMENT	43.0107			15	3				18
SECURITY SERVICES	43.0109				5			3	8
***TOTALS				29	13			3	45

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
A N A L Y S I S I N F O R M A T I O N

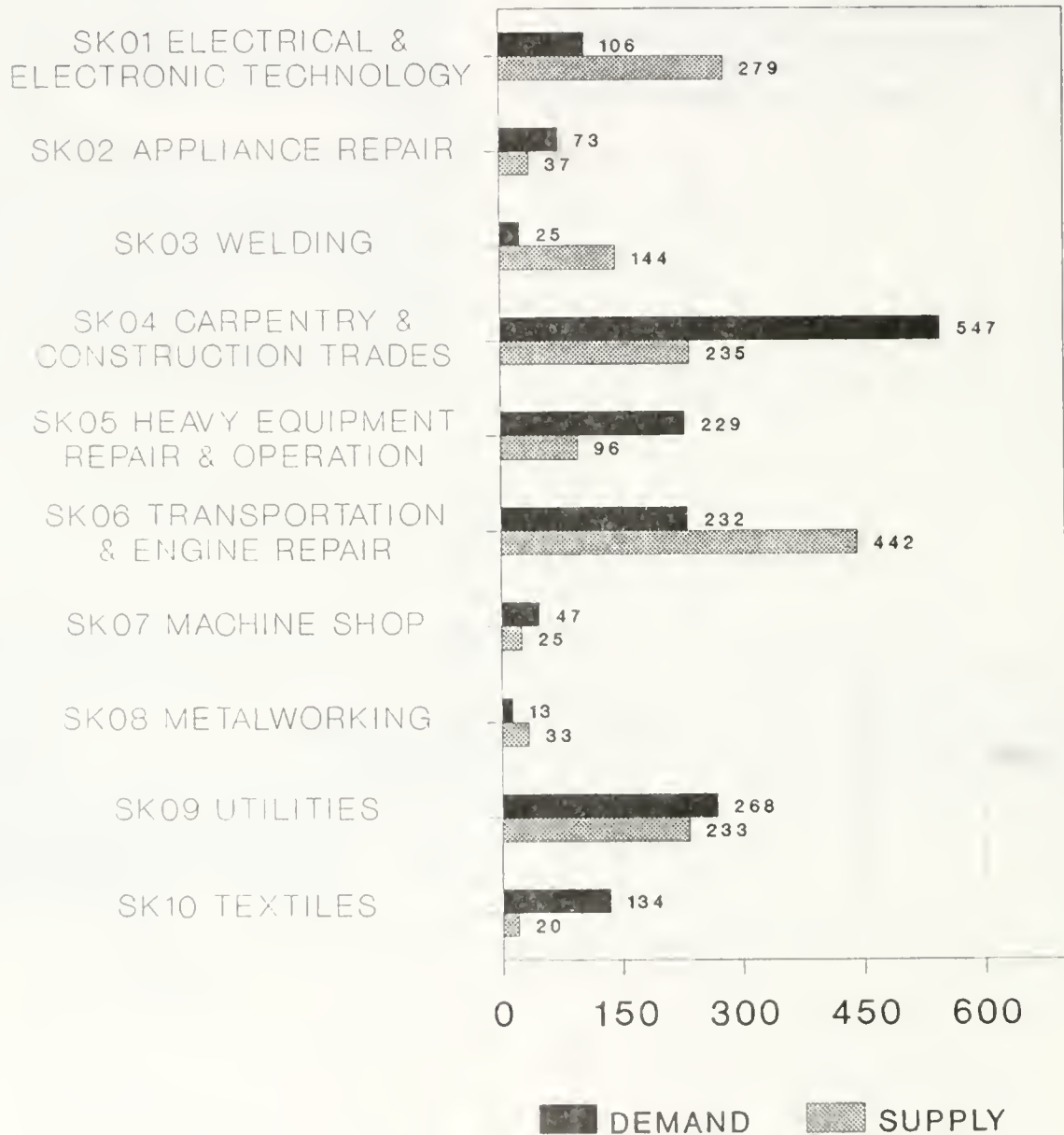
STATEWIDE  
CLUSTER TITLE: POLICE SCIENCE & CRIMINOLOGY  
MONTANA DEPARTMENT OF LABOR AND INDUSTRY  
CLUSTER CODE PS03

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
189.167-034	SECURITY OFFICER	0	0	47	1	N.A.
372.667-018	CORRECTION OFFICER	0	0	35	51	N.A.
372.667-034	GUARD, SECURITY	0	6	168	166	5.77
372.667-038	MERCHANT PATROLLER	0	0	316	85	N.A.
375.167-034	POLICE CAPTAIN, PRECINCT	0	1	0	0	N.A.
375.263-014	POLICE OFFICER I	0	9	142	12	N.A.
375.587-010	PARKING ENFORCEMENT OFFICER	0	0	8	5	N.A.

# SKILLS CLUSTERS

## DEMAND VS. SUPPLY

ESTIMATED ANNUAL OPENINGS VS. TRAINING COMPLETERS



10/01/88  
MONTANA OCCUPATIONAL INFORMATION SYSTEM  
D E M A N D     R E P O R T

STATEWIDE

CLUSTER TITLE: ELECTRICAL & ELECTRONIC TECHNOLOGY

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE SK01

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL GROWTH	1986-1995> REPLAC	OPEN
ELECTRICAL & ELECTRONIC ENG	22126055	261	345	9	5	14
ELECTRICAL & ELECTRONIC TEC	22505213	382	456	8	8	16
RADIO MECHANICS	85514563	54	62	1	1	2
ALL OTHER COMMUN.EQUIP.MECH	85599565	37	44	1	1	2
DATA PROCESSING EQUIP. REPA	85705568	27	37	1	0	1
ELECTRONICS REPAIRERS, COMM.	85717573	84	92	1	1	2
ELECTRICAL INSTALLERS & REP	85728569	81	83	0	2	2
ALL OTHER ELECTRIC., ELECTRO	85799623	156	179	3	5	8
ELECTRICIANS	87202520	1011	1143	15	36	51
ELECTRICAL, ELECTRONIC ASSE	93114792	53	76	3	0	3
ELECTRICAL, ELECTRONIC ASSE	93905802	9	14	1	1	2
HELPERS, ELECTRICIANS	98313894	82	97	2	1	3
TOTALS		2237	2628	45	61	106

10/01/88  
MONTANA OCCUPATIONAL INFORMATION SYSTEM  
S U P P L Y     R E P O R T

STATEWIDE

CLUSTER TITLE: ELECTRICAL & ELECTRONIC TECHNOLOGY

SCHOOL YEAR 1986-87

CLUSTER CODE SK01

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
ELECTRICAL, ELECTRON	14.1001			115				4	119
ELECTRICAL TECHNOLOG	15.0302			22					22
ELECTRONIC TECHNOLOG	15.0303		27	11	9			3	50
ELECTROMECHANICAL TE	15.0403	43							43
ELECTRICIAN	46.0302				2	1			3
ELECTRICAL & ELECTRO	47.0101		14						14
COMMUNICATION ELECTR	47.0103				7			2	9
INDUSTRIAL ELECTRONI	47.0105		16		2			1	19
***TOTALS		43	57	148	20	1		10	279

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
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STATEWIDE MONTANA DEPARTMENT OF LABOR AND INDUSTRY  
CLUSTER TITLE: ELECTRICAL & ELECTRONIC TECHNOLOGY CLUSTER CODE SK01

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
003.061-010	ELECTRICAL ENGINEER	0	0	58	7	15.30
003.061-014	ELECTRICAL TEST ENGINEER	0	0	2	0	N.A.
003.161-014	ELECTRONICS TECHNICIAN	0	0	162	21	11.91
003.281-010	DRAFTER, ELECTRICAL	0	0	8	1	N.A.
003.281-014	DRAFTER, ELECTRONIC	0	0	3	0	9.36
638.261-022	PINSETTER MECHANIC, AUTOMATIC	0	0	23	3	5.40
720.281-010	RADIO REPAIRER	0	0	8	1	N.A.
720.281-018	TELEVISION-&-RADIO REPAIRER	0	1	23	5	6.72
721.281-018	ELECTRIC-MOTOR REPAIRER	1	0	5	1	N.A.
721.684-022	ELECTRIC-MOTOR ASSEMBLER	0	0	5	0	N.A.
723.684-014	ASSEMBLER I	0	0	1	0	N.A.
724.684-026	COIL WINDER	0	0	5	0	N.A.
726.130-010	SUPERVISOR, ELECTRONICS	0	0	2	0	N.A.
726.261-010	ELECTRONICS ASSEMBLER, DEVELO	0	0	1	0	N.A.
726.381-010	ELECTRONICS INSPECTOR	0	0	11	1	N.A.
726.384-010	ELECTRONICS ASSEMBLER (INST.)	0	0	7	0	N.A.
726.684-010	CAPACITOR-PACK-PRESS OPERATOR	0	0	4	0	N.A.
726.684-018	ELECTRONICS ASSEMBLER	0	0	56	19	N.A.
726.684-022	ELECTRONICS INSPECTOR II	0	0	3	0	N.A.
729.384-010	ASSEMBLER, ELECTRICAL ACCESSO	0	0	4	0	N.A.
729.687-010	ASSEMBLER, ELECTRICAL ACCESSO	0	0	13	0	N.A.
823.281-014	ELECTRICIAN, RADIO	0	1	0	0	N.A.
824.261-010	ELECTRICIAN	10	1	493	51	12.54
825.281-014	ELECTRICIAN (WATER TRANSP.)	0	2	0	0	N.A.
825.281-018	ELECTRICIAN, AIRPLANE	0	0	2	0	N.A.
828.251-010	ELECTRONIC-SALES-&-SERVICE TE	0	0	0	0	7.57
828.261-014	FIELD ENGINEER (ELECTRONICS)	0	0	0	0	11.18
828.281-010	ELECTRONICS MECHANIC	5	16	150	15	13.34
829.281-014	ELECTRICAL REPAIRER	0	0	19	0	14.99



10/01/88  
MONTANA OCCUPATIONAL INFORMATION SYSTEM  
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STATEWIDE

CLUSTER TITLE: APPLIANCE REPAIR

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE SK02

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL GROWTH	1986-1995 REPLAC	1986-1995 OPEN
HOME ENTERTAINMENT EQ. REPA	85708572	115	145	3	5	8
ELECTR. HOME APPL. & POWER	85711607	166	201	4	8	12
ELECTRIC MOTOR REPAIRERS	85714571	27	36	1	1	2
HEATING, A/C, REFRIG. MECHA	85902605	374	440	7	30	37
CAMERA & PHOTOGRAPHIC REPAI	85914620	2	2	0	0	0
OFFICE MACHINE, REGISTER SER	85926614	184	195	1	1	2
GAS APPLIANCE REPAIRERS	85944608	130	146	2	6	8
COIN & VENDING MACHINE SERV	85947602	68	79	1	3	4
TOTALS		1066	1244	19	54	73

10/01/88  
MONTANA OCCUPATIONAL INFORMATION SYSTEM  
S U P P L Y     R E P O R T

STATEWIDE

CLUSTER TITLE: APPLIANCE REPAIR

SCHOOL YEAR 1986-87

CLUSTER CODE SK02

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
AIR CONDITIONING, HE	15.0501		20			1		1	22
BUSINESS MACHINE REP	47.0102					1			1
MAJOR APPLIANCE REPA	47.0106					3			3
SMALL APPLIANCE REPA	47.0108					3			3
VENDING & RECREATION	47.0109					2			2
COOLING & REFRIGERAT	47.0202					3			3
HEATING & AIR CONDIT	47.0203					1		1	2
ELECTROMECH., HYDRAU	47.0401					1			1
***TOTALS			20			15		2	37

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
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MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: APPLIANCE REPAIR

CLUSTER CODE SK02

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
633.281-018	OFFICE-MACHINE SERVICER	1	0	29	11	7.03
637.261-014	ENVIRON.-CONTROL-SYST-INSTALL	1	0	34	15	13.01
637.261-018	GAS APPLIANCE SERVICER	2	0	14	3	N.A.
637.261-026	REFRIGERATION MECHANIC	1	1	32	4	10.20
637.664-010	ENVIRONMENTAL-CONTROL-SYSTEM	0	0	2	0	N.A.
639.281-014	COIN-MACHINE-SERVICE REPAIRER	0	0	11	0	N.A.
639.281-018	SEWING-MACHINE REPAIRER	0	0	5	0	N.A.
823.261-018	RADIO MECHANIC	0	6	5	2	N.A.
825.281-030	ELEVATOR REPAIRER	0	1	0	0	N.A.
827.261-010	ELECTRICAL-APPLIANCE SERVICE	0	0	0	0	6.48

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
D E M A N D     R E P O R T

STATEWIDE

CLUSTER TITLE: WELDING

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE SK03

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL 1986-1995> GROWTH	REPLAC	OPEN
WELDING MACHINE SETTER/OPER	91702709	18	22	0	0	0
WELDING MACHINE OPERATORS	91705708	3	2	0	0	0
WELDERS & CUTTERS	93914812	712	832	13	12	25
TOTALS		733	856	13	12	25

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
S U P P L Y     R E P O R T

STATEWIDE

CLUSTER TITLE: WELDING

SCHOOL YEAR 1986-87

CLUSTER CODE SK03

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
WELDING	48.0508	73	38		6	26		1	144
***TOTALS		73	38		6	26		1	144

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
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STATEWIDE

CLUSTER TITLE: WELDING

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE SK03

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
810.384-014	WELDER, ARC	0	0	0	0	9.40
811.684-014	WELDER, GAS	0	0	8	0	7.70
819.131-014	WELDING SUPERVISOR	0	0	0	0	13.70
819.384-010	WELDER, COMBINATION	0	2	702	120	11.32

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
D E M A N D     R E P O R T

STATEWIDE

CLUSTER TITLE: CARPENTRY & CONSTRUCTION TRADES

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE SK04

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL GROWTH	1986-1995> REPLAC	OPEN
ALL OTHER MATERIAL WORKERS	58099331	141	151	1	4	5
FIRST LINE SUPERV. CONST.EX	81005499	795	876	9	26	35
FIRST LINE SUPERV. HELP,LAB	81017500	199	226	3	49	52
CEILING TILE INSTALLERS	87105514	18	21	0	0	0
DRYWALL INSTALLERS	87108517	60	73	1	1	2
CARPENTERS	87110510	2166	2723	62	85	147
TAPERS	87111518	40	49	1	1	2
BRICK MASONS	87302508	94	106	1	3	4
STONE MASONS	87305509	28	36	1	1	2
HARD TILE SETTERS	87308523	4	5	0	0	0
CONCRETE & TERRAZZO FINISHE	87311515	325	392	7	2	9
PLASTERERS & STUCCO MASONS	87317529	43	49	1	9	10
PAINTERS & PAPERHANGERS	87402526	273	317	5	7	12
PLUMBER, PIPEFITTER, STEAMF	87502530	715	828	13	26	39
PIPELAYING FITTERS	87505528	63	70	1	1	2
PIPELAYERS	87508527	102	122	2	2	4
CARPET INSTALLERS	87602513	48	63	2	1	3
FLOOR LAYERS, EX. CARPET, WOOD	87605538	4	5	0	0	0
INSULATION WORKERS	87802525	91	109	2	2	4
ROOFERS	87808532	142	178	4	8	12
GLAZIERS	87811522	142	155	1	4	5
FENCE ERECTORS	87817521	93	101	1	2	3
ALL OTHER CONSTRUCTION WORK	87899537	217	220	0	4	4
CABINETMAKERS & BENCH CARPE	89311662	250	299	5	7	12
FURNITURE FINISHERS	89314663	23	27	0	1	1
WOODWORKING MACHINE SETTER/	92311760	237	249	1	3	4
WOODWORKING MACHINE OPERATO	92314759	163	174	1	2	3
COIL WINDERS, TAPERS, FINIS	93908800	3	5	0	0	0
HELPERS, MASONS & TILE SETT	98311892	57	67	1	1	2
HELPERS, CARPENTERS	98312893	366	459	10	4	14
HELPERS, PAINTERS, PLASTERE	98314895	53	62	1	1	2
HELPERS, PLUMBERS, PIPEFITT	98315896	76	90	2	1	3
HELPERS, ROOFERS	98316897	14	16	0	0	0
HELPERS, ALL OTHER CONSTRUC	98319898	352	381	3	2	5
ALL OTHER HAND MATERIAL MOV	98799903	1607	1731	14	26	40
ALL OTHER HELPER, LABORER,	98999907	4093	4237	16	89	105
TOTALS		13097	14672	172	375	547

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
S U P P L Y   R E P O R T

STATEWIDE

CLUSTER TITLE: CARPENTRY &amp; CONSTRUCTION TRADES

SCHOOL YEAR 1986-87

CLUSTER CODE SK04

PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
BRICKMASONRY, BLOCK,	46.0102					12			12
CARPENTRY	46.0201	115	11		4	29		1	160
CONCRETE PLACING & F	46.0402				1	4			5
GLAZING	46.0406				2			1	3
INSULATION INSTALLAT	46.0407				2				2
PAINTING & DECORATIN	46.0408				1	8		4	13
ROOFING	46.0410				1				1
MISC. CONSTRUCTION T	46.0499			2	3				5
PLUMBING	46.0503				14				14
CONSTRUCTION TRADES,	46.9999				2				2
MILLWORK & CABINET M	48.0703				10			1	11
MATERIAL HANDLING	49.0203				5			2	7
***TOTALS		115	11	2	45	53		9	235

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
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STATEWIDE

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: CARPENTRY &amp; CONSTRUCTION TRADES

CLUSTER CODE SK04

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
660.280-010	CABINETMAKER	2	0	91	37	7.28
760.684-010	CARPENTER, BENCH	0	0	0	0	7.13
840.381-010	PAINTER (CONST.)	1	0	505	211	10.76
842.361-010	LATHER	0	0	5	0	N.A.
842.361-018	PLASTERER	0	0	11	0	N.A.
842.664-010	TAPER	0	0	39	1	N.A.
844.364-010	CEMENT MASON	0	0	160	44	N.A.
860.281-010	CARPENTER, MAINTENANCE	0	0	13	5	7.92
860.381-022	CARPENTER	8	3	1938	212	9.51
861.381-018	BRICKLAYER	0	0	73	4	N.A.
862.281-022	PIPE FITTER	3	0	0	0	N.A.
862.381-018	PIPE FITTER	0	1	189	10	N.A.
862.381-030	PLUMBER (CONST.)	7	0	157	22	12.74
862.381-034	PLUMBER APPRENTICE	0	0	31	4	N.A.
864.381-010	CARPET LAYER	0	0	52	11	N.A.
864.481-010	FLOOR LAYER	1	0	0	0	N.A.
865.381-010	GLAZIER	0	0	39	7	11.28
866.381-010	ROOFER	1	0	255	67	N.A.
869.664-014	CONSTRUCTION WORKER 1	0	0	1979	722	N.A.
869.687-026	CONSTRUCTION WORKER 2	0	4	1417	520	N.A.
929.687-030	MATERIAL HANDLER	0	0	2018	7530	7.84



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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
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STATEWIDE

CLUSTER TITLE: HEAVY EQUIPMENT REPAIR &amp; OPERATION

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE SK05

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL GROWTH	1986-1995 REPLAC	1995- OPEN
MACHINERY MECHANICS: PLANT	85118581	136	154	2	5	7
ALL OTHER MACHINERY MECHANICAL	85119583	414	419	1	16	17
MILLWRIGHTS	85123586	354	383	3	7	10
MACHINERY MAINTENANCE WORKERS	85128584	201	223	2	9	11
MOBILE HEAVY EQUIPMENT MECHANICAL	85314597	573	665	10	18	28
SIGNAL OR TRACK SWITCH MAIN	85511564	95	87	-1	1	0
RIGGERS	85935616	12	14	0	1	1
AIR HAMMER OPERATORS	87702506	28	33	1	1	2
PILE DRIVING OPERATORS	87705541	5	6	0	0	0
PAVING, SURFACING, TAMPING	87708540	156	175	2	6	8
HIGHWAY MAINTENANCE WORKERS	87711524	967	1001	4	20	24
RAIL-TRACK LAYING EQUIP. OPERATOR	87714531	296	253	-5	6	1
TANK CAR & TRUCK LOADERS	97905873	18	14	0	0	0
GRADER, DOZER, SCRAPER OPERATOR	97938871	384	467	9	41	50
HOIST, WINCH, CRANE OPERATOR	97940864	5	7	0	0	0
HOIST & WINCH OPERATORS	97941866	107	105	0	0	0
CRANE & TOWER OPERATORS	97944865	78	83	1	2	3
INDUSTRIAL TRUCK & TRACTOR	97947867	716	649	-7	6	-1
CONVEYOR OPERATORS & TENDER	97951863	264	287	3	8	11
OPERATING ENGINEERS	97956870	1210	1373	18	39	57
TOTALS		6019	6398	43	186	229

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
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STATEWIDE

CLUSTER TITLE: HEAVY EQUIPMENT REPAIR &amp; OPERATION

SCHOOL YEAR 1986-87

CLUSTER CODE SK05

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
HEAVY EQUIPMENT MAIN	47.0302		11		3	7		1	22
DIESEL ENGINE MECHANICAL	47.0605		23		2	5		4	34
CONSTRUCTION EQUIPMENT	49.0202		18		12	10			40
***TOTALS			52		17	22		5	96



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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
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STATEWIDE

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: HEAVY EQUIPMENT REPAIR &amp; OPERATION

CLUSTER CODE SK05

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
620.261-022	CONSTRUCTION-EQUIPMENT MECHAN	0	2	171	15	12.03
620.281-046	MAINTENANCE MECHANIC	0	0	23	2	N.A.
620.381-014	MECHANIC, ENDLESS TRACK VEHIC	0	11	0	0	N.A.
625.281-010	DIESEL MECHANIC	0	0	404	39	12.91
638.261-014	MACHINERY ERECTOR	0	0	1	0	N.A.
638.281-014	MAINTENANCE MECHANIC	0	0	191	25	10.93
638.281-018	MILLWRIGHT	1	0	130	9	12.13
850.663-022	MOTOR GRADER OPERATOR (CONST.	0	0	0	0	15.50
850.683-010	BULLDOZER OPERATOR I	0	2	40	6	15.44
850.683-030	POWER-SHOVEL OPERATOR	0	0	0	0	14.39
850.683-046	UTILITY-TRACTOR OPERATOR	0	1	0	0	N.A.
853.663-014	CONCRETE-PAVING-MACHINE OPERA	0	1	0	0	N.A.
859.683-010	OPERATING ENGINEER	3	6	1672	79	14.52
902.683-010	DUMP-TRUCK DRIVER	0	0	0	0	14.74
903.683-018	TANK-TRUCK DRIVER	0	0	17	7	7.61
904.383-010	TRACTOR-TRAILER-TRUCK DRIVER	0	2	1235	304	8.48
905.663-014	TRUCK DRIVER, HEAVY	0	4	1573	155	9.63
921.663-010	BRIDGE-OR-GANTRY-CRANE OPERAT	0	0	21	1	N.A.
921.663-022	DERRICK OPERATOR	0	0	0	0	13.39
921.683-042	FRONT-END LOADER OPERATOR	0	0	0	0	15.44
921.683-050	INDUSTRIAL-TRUCK OPERATOR	0	1	0	0	9.79
929.683-014	TRACTOR OPERATOR	0	0	0	0	11.57
932.683-018	MECHANICAL-SHOVEL OPERATOR	0	0	0	0	13.13
950.382-026	STATIONARY ENGINEER	0	2	52	200	10.25

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
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STATEWIDE

CLUSTER TITLE: TRANSPORTATION & ENGINE REPAIR

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE SK06

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL GROWTH	1986-1995 REPLAC	1995-1996 OPEN
FIRST LINE SUPERV. MECH. & R	81002501	1354	1466	12	38	50
AUTOMOTIVE MECHANICS	85302593	1729	1856	14	53	67
AUTOMOTIVE BODY, RELATED REP	85305591	551	638	10	11	21
MOTORCYCLE REPAIRERS	85308594	50	53	0	0	0
BUS, TRUCK, DIESEL ENG. MEC	85311595	1036	1177	16	24	40
RAIL CAR REPAIRERS	85317598	29	27	0	1	1
SMALL ENGINE SPECIALISTS	85328599	101	117	2	0	2
BICYCLE REPAIRERS	85951601	21	23	0	1	1
TIRE REPAIRERS & CHANGERS	85953617	415	421	1	19	20
SERVICE STATION ATTENDANTS	97805861	943	974	3	14	17
MECHANIC & REPAIRER HELPERS	98102908	281	308	3	10	13
TOTALS		6510	7060	61	171	232

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
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STATEWIDE

CLUSTER TITLE: TRANSPORTATION & ENGINE REPAIR

SCHOOL YEAR 1986-87

CLUSTER CODE SK06

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
AUTOMOTIVE TECHNOLOG	15.0803			32					32
AUTOMOTIVE BODY REPA	47.0603	14	11		16	3			44
AUTOMOTIVE MECHANICS	47.0604	242	50		19	17		7	335
SMALL ENGINE REPAIR	47.0606	12	12		4			2	30
MARINE MAINTENANCE	49.0306				1				1
***TOTALS		268	73	32	40	20		9	442

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
A N A L Y S I S   I N F O R M A T I O N

STATEWIDE MONTANA DEPARTMENT OF LABOR AND INDUSTRY  
CLUSTER TITLE: TRANSPORTATION & ENGINE REPAIR CLUSTER CODE SK06

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
185.167-058	SERVICE MANAGER (AUTO.)	0	0	0	0	10.30
620.261-010	AUTOMOBILE MECHANIC	4	10	936	171	10.49
620.281-010	AIR-CONDITIONING MECHANIC (AU	0	0	12	0	N.A.
620.281-054	MOTORCYCLE REPAIRER	0	0	0	0	7.06
620.281-062	TRANSMISSION MECHANIC	1	0	0	0	9.00
620.381-010	AUTOMOBILE-RADIATOR MECHANIC	0	0	0	0	8.69
620.381-022	REPAIRER, HEAVY (AUTO.)	0	0	2	1	N.A.
620.684-014	AUTOMOBILE-MECHANIC HELPER	0	0	0	0	6.23
623.281-034	MAINTENANCE MECHANIC, ENGINE	0	8	0	0	N.A.
625.281-026	GAS-ENGINE REPAIRER	0	2	0	0	6.60
625.281-034	SMALL ENGINE MECHANIC	0	0	85	15	N.A.
638.261-018	MANUFACTURER'S SERVICE REPRES	0	0	0	0	9.54
639.681-010	BICYCLE REPAIRER	0	0	0	0	3.46
806.361-026	NEW-CAR GET-READY MECHANIC	0	0	0	0	5.41
806.381-046	SHIPFITTER	0	5	0	0	N.A.
806.684-038	AUTOMOBILE-ACCESSORIES INSTAL	0	0	0	0	5.96
806.684-054	FIBERGLASS LAMINATOR (SHIP &	1	0	0	0	N.A.
807.381-010	AUTOMOBILE-BODY REPAIRER	2	0	336	73	9.54
845.381-014	PAINTER, TRANSPORTATION EQUIP	0	0	19	4	N.A.
862.261-010	PIPE FITTER (SHIP/BOAT)	0	0	6	0	N.A.
863.381-014	PIPE COVERER & INSULATOR	0	0	2	0	N.A.
915.467-010	AUTOMOBILE-SERVICE-STATION AT	0	0	371	88	4.86
915.684-010	TIRE REPAIRER	0	0	0	0	6.17
915.687-018	LUBRICATION SERVICER	0	0	27	13	N.A.

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
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STATEWIDE

CLUSTER TITLE: MACHINE SHOP

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE SK07

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL GROWTH	1986-1995 REPLAC	1986-1995 OPEN
TOOL & DIE MAKERS	89102643	7	7	0	0	0
MACHINISTS	89108639	738	750	1	22	23
TOOL GRINDERS, FILERS, SHARPE	89111645	154	166	1	5	6
PATTERN & MODEL MAKERS, WOOD	89302664	1	1	0	0	0
WOOD MACHINISTS	89308665	77	82	1	2	3
MOLDERS & SHAPERS, EXC. JEW	89905678	6	6	0	0	0
SAWING MACH. TOOL SETTER/OP	91102702	2	2	0	0	0
LATHE, TURNING MACH. SETTER/O	91105695	15	13	0	0	0
DRILLING, BORING MACH. SET/OP	91108691	2	2	0	0	0
GRINDING, BUFFING MACH. SET/O	91114694	4	5	0	0	0
MACHINE TOOL CUTTING OPER.,	91117697	20	14	-1	0	-1
PUNCHING MACH. SETTER/OPER.	91302700	7	8	0	0	0
PRESS, BRAKE MACH. SETTER/OP	91305699	10	8	0	0	0
MACHINE FORMING OPERATORS,	91321696	11	11	0	1	1
COMBINATION MACH. TOOL OPER.	91508688	54	37	-2	1	-1
PLASTIC MOLDING, CASTING OP	91905722	7	7	0	1	1
ALL OTHER MET. & PLAS. MACH. SE	92100724	11	13	0	0	0
SAWING MACHINE SETTER/OPERA	92302758	38	41	0	0	0
HEAD SAWYERS	92305756	115	123	1	1	2
SAWING MACHING OPERATOR/TEN	92308757	617	664	5	8	13
MACHINE BUILDERS	93105795	5	5	0	0	0
TOTALS		1901	1965	6	41	47

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STATEWIDE

CLUSTER TITLE: MACHINE SHOP

SCHOOL YEAR 1986-87

CLUSTER CODE SK07

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
MACHINE TOOL OPERATI	48.0503		13		8	1		22
TOOL & DIE MAKING	48.0507						3	3
***TOTALS			13		8	1	3	25

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STATEWIDE MONTANA DEPARTMENT OF LABOR AND INDUSTRY  
 CLUSTER TITLE: MACHINE SHOP CLUSTER CODE SK07

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
521.682-026	GRINDER OPERATOR	0	0	0	0	8.51
556.685-022	COMPRESSION-MOLDING-MACHINE T	0	0	2	0	N.A.
556.685-038	INJECTION-MOLDING-MACHINE TEN	0	0	0	1	N.A.
556.685-066	PRESS TENDER	0	0	1	0	N.A.
557.382-010	EXTRUDER OPERATOR	0	0	2	0	N.A.
600.280-022	MACHINIST (GENERAL)	1	3	219	20	10.15
600.280-034	MACHINIST, AUTOMOTIVE	0	0	0	0	8.86
600.380-018	MACHINE SET-UP OPERATOR	0	0	5	0	6.51
601.280-046	TOOL-&-DIE MAKER	0	0	3	0	10.59
603.280-018	GRINDER OPERATOR, TOOL	0	0	2	0	N.A.
603.685-062	PRODUCTION GRINDER (MACH. SHO	0	0	0	0	8.62
604.280-014	SCREW MACHINE OPERATOR (MACH.	0	0	0	0	7.80
604.380-022	SCREW-MACHINE SET-UP OPERATOR	0	0	3	0	N.A.
604.685-026	LATHE OPERATOR, PRODUCTION	0	0	3	0	N.A.
605.380-010	MILLING-MACH. OP., NUMERICAL	0	0	0	0	7.41
606.682-014	DRILL-PRESS OPERATOR	0	0	0	0	7.84
609.684-014	LABORER, GENERAL (MACHINE SHO	0	0	2	0	7.91
609.685-018	PRODUCTION MACHINE TENDER	0	0	5	0	10.20
615.482-022	PUNCH-PRESS OPERATOR	0	0	2	0	N.A.
619.130-030	SUPERVISOR, LINE	0	0	0	0	11.49
626.281-010	MACHINE-REPAIRER, MAINTENANCE	0	0	4	1	N.A.
638.261-010	AUTOMATED EQUIPMENT ENGINEER-	0	0	2	0	N.A.
638.684-018	MAINTENANCE-MECHANIC HELPER	0	0	8	2	N.A.
691.382-010	EXTRUDING-MACHINE OPERATOR	0	0	2	0	N.A.
701.381-014	SAW FILER	2	0	0	0	11.02
705.687-014	LABORER, GRINDING & POLISHING	0	0	2	1	N.A.

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STATEWIDE

CLUSTER TITLE: METALWORKING

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE SK08

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL GROWTH	1986-1995> REPLAC	OPEN
REINFORCING METAL WORKERS	87314535	86	103	2	1	3
SHEET METAL DUCT INSTALLERS	87805543	6	7	0	0	0
STRUCTURAL METAL WORKERS	87814536	131	161	3	2	5
SHEET METAL WORKERS	89132641	262	284	2	1	3
BOILERMAKERS	89135633	31	30	0	0	0
ALL OTHER PRECISION METAL W	89199644	1	1	0	0	0
FOUNDRY MOLD & CORE MAKERS	89902677	12	9	0	1	1
STRUCTURAL METAL FABRICATOR	91714705	162	120	-5	5	0
METAL MOLDING, CASTING OPER	91911718	6	4	0	1	1
ELECTROLYTIC PLATING SET/OP	91917712	13	9	0	0	0
METAL POURERS, BASIC SHAPES	93941106	35	24	-1	1	0
TOTALS		745	752	1	12	13

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
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CLUSTER TITLE: METALWORKING

SCHOOL YEAR 1986-87

CLUSTER CODE SK08

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
PRECISION METAL WORK	48.0501	28			1				29
FOUNDRY WORK	48.0502				1				1
METAL FABRICATION	48.0504				2				2
SHEET METAL	48.0506				1				1
***TOTALS		28			5				33



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MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: METALWORKING

CLUSTER CODE SK08

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
509.686-010	LABORER, GENERAL (IRON/STEEL)	0	0	25	13	N.A.
518.361-010	MOLDER (FOUNDRY)	0	0	0	0	7.19
519.687-022	FOUNDRY WORKER, GENERAL	0	0	8	8	4.66
619.260-008	ORNAMENTAL-METAL WORKER	0	0	1	0	N.A.
619.360-014	METAL FABRICATOR	0	0	5	1	N.A.
619.381-010	INSPECTOR (IRON/STEEL)	0	0	1	0	N.A.
801.361-014	STRUCTURAL-STEEL WORKER	1	1	0	0	N.A.
804.281-010	SHEET-METAL WORKER	6	0	138	8	N.A.
805.261-014	BOILERMAKER	4	0	65	0	N.A.
806.134-010	SUPERVISOR, AUTOMOBILE ASSEMB	0	0	0	0	9.37
807.281-010	TRUCK-BODY BUILDER	0	0	0	0	8.58
809.281-010	LAY-OUT WORKER I	0	0	3	0	N.A.
809.381-010	FABRICATOR-ASSEMBLER, METAL P	0	0	0	0	10.72

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
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STATEWIDE

CLUSTER TITLE: UTILITIES

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE SK09

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL 1986-1995> GROWTH    REPLAC    OPEN		
ESTIMATORS & DRAFTERS, UTIL	22517219	16	18	0	0	0
CUSTOMER SERVICE REPS, UTIL	55335354	250	271	2	4	6
METER READERS, UTILITIES	58014323	202	212	1	4	5
MAINTENANCE REPAIRERS, GEN.	85132585	3305	3840	59	160	219
CENTRAL OFFICE & PBX INSTAL	85502561	231	248	2	3	5
FRAME WIRERS, CENTRAL OFFIC	85505562	18	15	0	0	0
TELEPHONE & CABLE TV INSTAL	85702575	287	280	-1	2	1
POWERHOUSE & RELAY ELECTRIC	85721622	44	49	1	1	2
ELECTRICAL POWERLINE INSTAL	85723570	552	549	0	14	14
TELEPH. STATION INSTALL.& R	85726574	207	165	-5	2	-3
ELECTRIC METER INSTALLERS/R	85911603	107	122	2	17	19
TOTALS		5219	5769	61	207	268

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CLUSTER TITLE: UTILITIES

SCHOOL YEAR 1986-87

CLUSTER CODE SK09

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
TELECOMMUNICATIONS	09.0801						173		173
LINEWORKER	46.0303				60				60
***TOTALS					60		173		233

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
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MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: UTILITIES

CLUSTER CODE SK09

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
209.567-010	METER READER (UTILITY)	0	0	0	0	7.98
821.131-014	LINE SUPERVISOR (UTILITY)	0	0	0	0	16.22
821.261-014	LINE MAINTAINER (UTILITY)	3	0	0	0	11.83
821.361-018	LINE ERECTOR (UTILITY)	11	0	0	0	15.09
821.361-026	LINE REPAIRER (UTILITY)	1	0	20	1	15.24
822.281-010	AUTOMATIC EQUIPMENT TECHNICIA	2	1	0	0	N.A.
822.281-014	CENTRAL-OFFICE REPAIRER (TEL.	1	2	1	0	N.A.
822.281-018	MAINTENANCE MECHANIC, TELEPHO	4	1	10	2	N.A.
822.361-014	CENTRAL-OFFICE INSTALLER (TEL	3	0	0	0	N.A.
822.381-014	LINE INSTALLER-REPAIRER (TEL.	6	2	0	0	N.A.
822.381-018	PRIVATE-BRANCH-EXCHANGE INSTA	0	0	0	0	13.28
862.361-014	GAS-MAIN FITTER	2	0	0	0	N.A.
862.684-014	LABORER, CONSTRUCTION OR LEAK	0	0	14	0	N.A.

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STATEWIDE

CLUSTER TITLE: TEXTILES

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE SK10

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL GROWTH	1986-1995 REPLAC	1986-1995 OPEN
MENDERS, GARMENTS & LINENS	85956611	50	54	0	2	2
CUSTOM TAILORS & SEWERS	89505653	81	93	1	11	12
UPHOLSTERERS	89508656	82	101	2	2	4
SHOE & LEATHER WORKERS	89511655	21	23	0	3	3
SPOTTERS, DRY CLEANING	89514660	36	41	1	2	3
PRESSERS, DELICATE FABRICS	89517659	71	81	1	4	5
ALL OTHER PRECISION TEXTILE	89599657	8	8	0	1	1
TEXTILE MACHINE OPERATORS	92705753	2	4	0	0	0
SEWING MACH. OPERATOR, GARM	92717748	232	433	22	21	43
SEWING MACH. OPER., NON-GAR	92721749	57	77	2	4	6
SHOE SEWING MACHINE OPERATO	92723750	16	18	0	0	0
LAUNDRY, DRYCLEANING MACH.	92726746	600	708	12	36	48
PRESSING MACH. OPERATOR, TEX	92728747	84	98	2	5	7
PRESSERS, HAND	93921810	20	23	0	0	0
SEWERS, HAND	93923811	6	7	0	0	0
CUTTERS & TRIMMERS, HAND	93926801	12	15	0	0	0
TOTALS		1378	1784	43	91	134

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
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CLUSTER TITLE: TEXTILES

SCHOOL YEAR 1986-87

CLUSTER CODE SK10

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
DRYCLEANING & LAUNDE	12.0101					3			3
TEXTILE TECHNOLOGY	15.0609					3			3
CLOTHING MAINTENANCE	20.0302					7		1	8
COMMERCIAL GARMENT &	20.0303					1			1
LEATHERWORKING & UPH	48.0301					3			3
UPHOLSTERING	48.0303					1		1	2
***TOTALS						18		2	20

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
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MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: TEXTILES

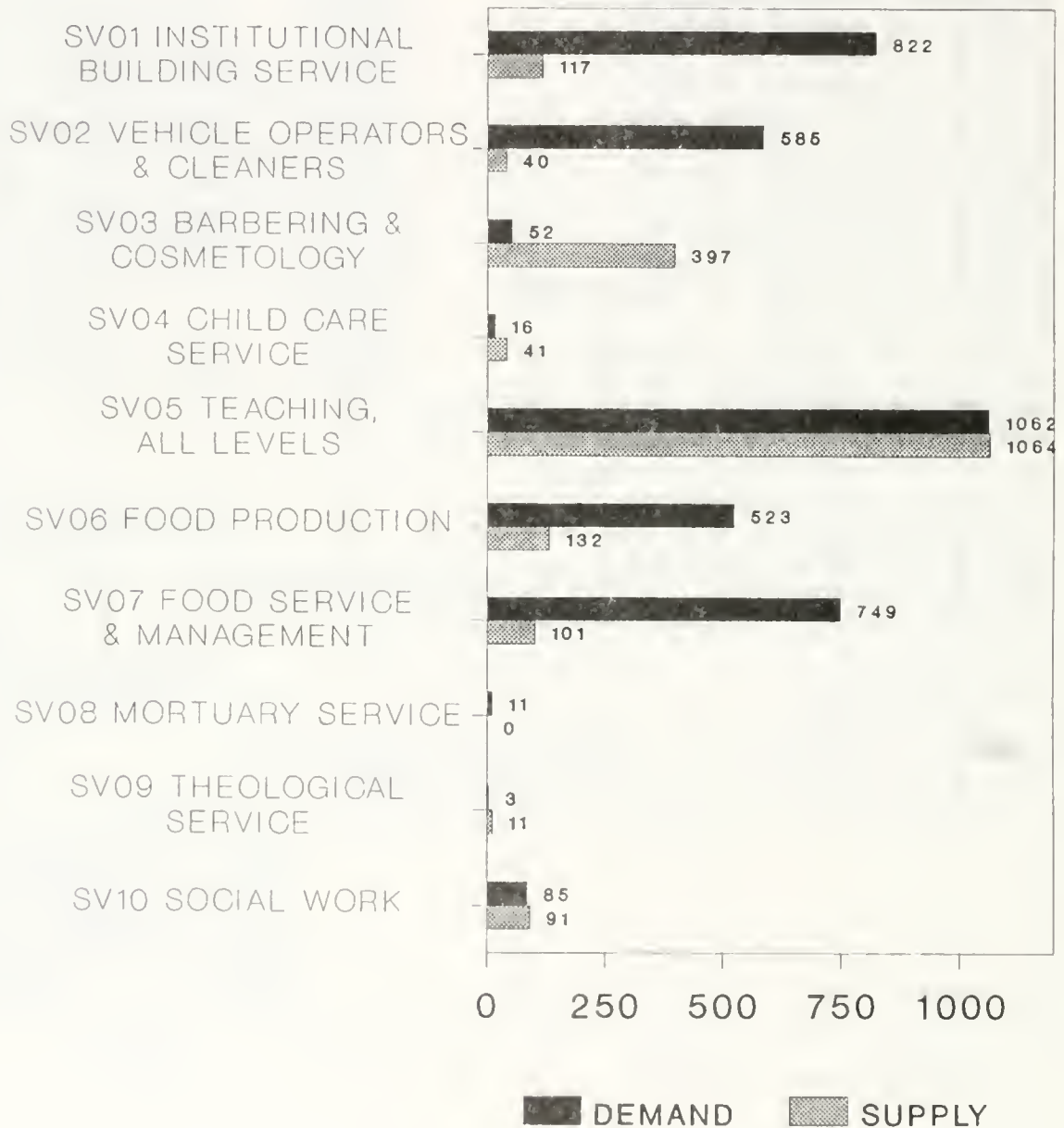
CLUSTER CODE SK10

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
142.061-018	CLOTHES DESIGNER	0	0	3	0	N.A.
361.137-010	SUPERVISOR, LAUNDRY	0	0	0	0	7.04
361.665-010	WASHER, MACHINE	0	0	6	1	N.A.
361.684-014	LAUNDRY WORKER I	0	0	0	0	4.78
361.685-018	LAUNDRY WORKER II	0	0	58	32	N.A.
361.687-014	CLASSIFIER (LAUNDRY)	0	0	3	0	N.A.
361.687-018	LAUNDRY LABORER	0	0	83	31	N.A.
362.684-010	DRY CLEANER, HAND	0	0	1	0	N.A.
363.681-010	SILK FINISHER	0	0	0	0	4.86
363.682-018	PRESSER, MACHINE	0	0	7	1	N.A.
363.684-018	PRESSER, HAND	0	0	2	3	N.A.
363.685-026	SHIRT PRESSER	0	0	1	5	N.A.
363.686-010	FLATWORK FINISHER	0	0	1	0	N.A.
685.665-014	KNITTING-MACHINE OPERATOR	0	0	1	0	N.A.
689.684-010	BURLER	0	0	3	0	N.A.
780.381-018	FURNITURE UPHOLSTERER	0	0	20	5	6.00
780.681-010	UPHOLSTERER, INSIDE	0	0	5	0	N.A.
780.682-018	UPHOLSTERY SEWER	0	0	1	0	N.A.
782.684-058	CROCHETER, HAND	0	0	11	5	N.A.
783.682-014	SEWING-MACHINE OPERATOR	0	0	3	4	N.A.
785.261-010	ALTERATION TAILOR	0	0	30	19	4.48
787.682-046	SEWING-MACHINE OPERATOR	0	0	103	76	4.86
789.687-070	GARMENT INSPECTOR	0	0	1	0	N.A.
795.687-014	GLUER	0	0	1	0	N.A.
920.687-018	BAGGER (CLEANERS/LAUNDRY)	0	0	0	0	3.98

# SERVICE CLUSTERS

## DEMAND VS. SUPPLY

ESTIMATED ANNUAL OPENINGS VS. TRAINING COMPLETERS





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CLUSTER TITLE: INSTITUTIONAL & BUILDING SERVICE

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE SV01

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL 1986-1995> GROWTH	REPLAC	OPEN
CONSTRUCTION, BUILDING INSP	21908029	186	207	2	8	10
HOUSEKEEPERS, INSTITUTIONAL	61008457	422	504	9	63	72
JANITORS, CLEANERS, MAIDS	67001375	7	9	0	0	0
MAIDS & HOUSEKEEPING CLEANER	67002377	3417	3854	49	138	187
JANITORS & CLEANERS, EXC.MA	67005376	5610	6594	109	389	498
PEST CONTROLLERS & ASSISTAN	67008378	51	51	0	5	5
ELEVATOR OPERATORS	67011459	1	1	0	0	0
ALL OTHER CLEAN,BUILDING SE	67099464	847	932	9	34	43
MOBILE HOME INSTALLER & REP	85938612	119	127	1	6	7
PARKING LOT ATTENDANTS	97808860	12	16	0	3	3
TOTALS		10660	12279	179	643	822

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CLUSTER TITLE: INSTITUTIONAL & BUILDING SERVICE

SCHOOL YEAR 1986-87

CLUSTER CODE SV01

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
CUSTODIAL SERVICES	20.0604					68			68
EXECUTIVE HOUSEKEEPER	20.0605					7			7
BUILDING & PROPERTY	46.0401						23		23
INDUSTRIAL MACHINERY	47.0303					19			19
***TOTALS						94	23		117

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## MONTANA OCCUPATIONAL INFORMATION SYSTEM

## ANALYSIS INFORMATION

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MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: INSTITUTIONAL &amp; BUILDING SERVICE

CLUSTER CODE SV01

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
187.167-046	EXECUTIVE HOUSEKEEPER	0	0	0	0	6.78
301.474-010	HOUSE WORKER, GENERAL	0	0	273	417	N.A.
301.687-010	CARETAKER (ODD JOB WORKER)	0	0	0	0	4.56
321.137-010	HOUSEKEEPER	0	0	0	0	4.81
323.687-010	CLEANER, HOSPITAL	0	0	50	19	4.36
323.687-014	CLEANER, HOUSEKEEPING	0	0	1181	856	N.A.
381.137-010	SUPERVISOR, JANITORIAL SERVIC	0	0	0	0	6.33
381.687-014	CLEANER, COMMERCIAL OR INSTIT	0	0	676	809	4.78
381.687-018	CLEANER, INDUSTRIAL	0	0	0	0	6.23
382.664-010	JANITOR	0	0	0	0	5.02
389.684-010	EXTERMINATOR	0	0	4	0	N.A.
899.281-014	MAINTENANCE REPAIRER, FACTORY	0	0	20	68	N.A.
899.381-010	MAINTENANCE REPAIRER, BUILDIN	0	0	616	164	6.95
899.684-022	MAINTENANCE-REPAIRER HELPER,	0	0	3	1	N.A.
915.473-010	PARKING-LOT ATTENDANT	0	0	13	13	3.49

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CLUSTER TITLE: VEHICLE OPERATORS & CLEANERS

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE SV02

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL GROWTH	1986-1995 REPLAC	1995-1996 OPEN
FIRST LINE SUPERV. TRANSP	81011503	231	263	4	12	16
TRUCK DRIVERS	97101840	7316	8357	116	271	387
BUS DRIVERS	97108837	259	293	4	14	18
BUS DRIVERS, SCHOOL	97111838	1426	1697	30	80	110
TAXI DRIVERS & CHAUFFEURS	97114839	93	99	1	5	6
ALL OTHER MOTOR VEHICLE OPE	97199886	127	140	1	5	6
RAILROAD CONDUCTORS, YARDMA	97302848	283	256	-3	7	4
LOCOMOTIVE ENGINEERS	97305845	234	226	-1	7	6
RAIL YARD ENGINEERS, DINKEY	97308849	39	34	-1	1	0
LOCOMOTIVE FIRERS	97311846	80	66	-2	2	0
RAILROAD BRAKE, SIGNAL, SWI	97317847	619	539	-9	7	-2
ALL OTHER RAIL VEHICLE OPER	97399888	30	27	0	0	0
BRIDGE, LOCK, LIGHTHOUSE TE	97802876	16	17	0	0	0
ALL OTHER TRANSPORTATION WO	97899889	243	272	3	9	12
ALL OTHER TRANSP., MAT. MOVIN	97989875	160	177	2	6	8
VEHICLE, EQUIPMENT CLEANERS	98905906	467	524	6	5	11
TOTALS		11635	13003	151	434	585

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STATEWIDE

CLUSTER TITLE: VEHICLE OPERATORS & CLEANERS

SCHOOL YEAR 1986-87

CLUSTER CODE SV02

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
PERSONAL SERVICES, O	12.0499							1	1
VEHICLE & EQUIPMENT	49.0201				12				12
TRUCK & BUS DRIVING	49.0205		19		2			6	27
***TOTALS			19		14			7	40

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MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: VEHICLE OPERATORS &amp; CLEANERS

CLUSTER CODE SV02

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
906.683-010	FOOD-SERVICE DRIVER (HOTEL/RE	0	0	0	0	6.79
906.683-022	TRUCK DRIVER, LIGHT	0	0	528	147	7.09
913.463-010	BUS DRIVER	0	0	311	63	6.54
913.463-018	TAXI DRIVER	0	0	59	32	3.08
913.683-010	AMBULANCE DRIVER	0	0	0	0	7.44
915.667-010	CAR-WASH ATTENDANT, AUTOMATIC	0	0	21	7	N.A.
919.683-014	DRIVER	0	0	3	0	N.A.
919.687-014	CLEANER II (TRANSP. VEHICLES)	0	0	94	117	5.11

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STATEWIDE

CLUSTER TITLE: BARBERING & COSMETOLOGY

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE SV03

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL 1986-1995> GROWTH	REPLAC	OPEN
BARBERS	68002409	77	83	1	10	11
HAIRDRESSERS & COSMETOLOGIS	68005412	905	1050	16	25	41
MANICURISTS	68008413	3	3	0	0	0
TOTALS		985	1136	17	35	52

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STATEWIDE

CLUSTER TITLE: BARBERING & COSMETOLOGY

SCHOOL YEAR 1986-87

CLUSTER CODE SV03

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
BARBERING/HAIRSTYLIN	12.0402				2		45		47
COSMETOLOGY	12.0403				9		340	1	350
***TOTALS					11		385	1	397

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CLUSTER TITLE: BARBERING & COSMETOLOGY

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE SV03

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
187.167-058	MANAGER, BARBER OR BEAUTY SHO	0	0	3	0	N.A.
330.371-010	BARBER	0	0	35	10	N.A.
332.271-010	COSMETOLOGIST	0	0	218	41	3.93

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STATEWIDE

CLUSTER TITLE: CHILD CARE SERVICES

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE SV04

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL 1986-1995> GROWTH    REPLAC    OPEN		
CHILD CARE WORKERS	68038410	458	464	1	15	16
TOTALS		458	464	1	15	16

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STATEWIDE

CLUSTER TITLE: CHILD CARE SERVICES

SCHOOL YEAR 1986-87

CLUSTER CODE SV04

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
CHILD CARE & GUIDANC	20.0201	19							19
CHILD CARE AIDE/ASSI	20.0202				22				22
***TOTALS		19			22				41

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MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: CHILD CARE SERVICES

CLUSTER CODE SV04

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
359.677-010	ATTENDANT, CHILDREN'S INSTITU	0	0	61	23	3.62
359.677-018	NURSERY SCHOOL ATTENDANT	0	0	190	103	4.48
359.677-026	PLAYROOM ATTENDANT	0	0	3	2	N.A.



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## MONTANA OCCUPATIONAL INFORMATION SYSTEM

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CLUSTER TITLE: TEACHING, ALL LEVELS

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE SV05

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL GROWTH	1986-1995 REPLAC	> OPEN
NURSING INSTRUCTORS	31114143	127	152	3	5	8
GRADUATE ASSISTANTS, TEACHI	31117137	753	804	6	23	29
LIFE SCIENCE TEACHERS	31202129	275	327	6	9	15
CHEMISTRY TEACHERS	31204124	72	86	2	2	4
PHYSICS TEACHERS	31206131	51	61	1	2	3
ALL OTHER PHYS. SCIENCE TEA	31209133	49	58	1	2	3
SOCIAL SCIENCE TEACHERS	31210132	205	243	4	7	11
HEALTH SPECIALTIES TEACHERS	31212128	40	48	1	1	2
ENGLISH & FOREIGN LANG. TEA	31216127	188	223	4	15	19
ART, DRAMA, & MUSIC TEACHER	31218123	148	176	3	5	8
ENGINEERING TEACHERS	31222126	117	139	2	4	6
MATHEMATICAL SCIENCE TEACHE	31224130	111	132	2	4	6
COMPUTER SCIENCE TEACHERS	31226125	58	69	1	2	3
ALL OTHER POST SECONDARY TE	31299134	541	643	11	18	29
TEACHERS, PRESCHOOL & KINDER	31302113	893	1036	16	16	32
TEACHERS, ELEMENTARY	31305114	5812	6902	121	148	269
TEACHERS, SECONDARY SCHOOL	31308117	4418	5116	78	71	149
TEACHERS, SPECIAL EDUCATION	31311144	1096	1301	23	19	42
TEACHERS, VOCATIONAL EDUCAT	31314140	636	730	10	33	43
INSTRUCTORS, NONVOCATIONAL	31317138	517	640	14	28	42
INSTRUCTORS AND COACHES, SP	31321139	972	1176	23	52	75
ALL OTHER TEACHERS, INSTRUC	31399141	553	660	12	29	41
VOCATIONAL & EDUC. COUNSELO	31514149	335	403	8	8	16
INSTRUCTIONAL COORDINATORS	31517142	60	69	1	3	4
TEACHERS AIDES, PARAPROFESS	31521365	1129	1338	23	120	143
TEACHER AIDES & EDUC. ASSIS	53904363	940	1159	24	36	60
TOTALS		20096	23691	400	662	1062

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
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STATEWIDE

CLUSTER TITLE: TEACHING, ALL LEVELS

SCHOOL YEAR 1986-87

CLUSTER CODE SV05

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
EDUCATION, GENERAL	13.0101			160					160
SCHOOL PSYCHOLOGY	13.0801			8					8
SPECIAL EDUCATION, G	13.1001			27					27
EDUCATION OF THE DEA	13.1003							1	1
EDUCATION OF THE EMO	13.1005			1					1
EDUCATION OF THE MEN	13.1006							1	1
EDUCATION OF THE MUL	13.1007			4					4
STUDENT COUNSELING &	13.1101			72				7	79
ELEMENTARY EDUCATION	13.1202			344	2			2	348
PRE-ELEMENTARY EDUCA	13.1204			2				1	3
SECONDARY EDUCATION	13.1205			22	1			4	27
AGRICULTURAL EDUCATI	13.1301			15					15
ART EDUCATION	13.1302			4				1	5
BUSINESS EDUCATION	13.1303			43					43
ENGLISH EDUCATION	13.1305			11					11
INDUSTRIAL ARTS EDUC	13.1309			44				2	46
MATHEMATICS EDUCATIO	13.1311			18					18
MUSIC EDUCATION	13.1312			24				1	25
PHYSICAL EDUCATION	13.1314			112					112
READING EDUCATION	13.1315			15					15
SCIENCE EDUCATION	13.1316			17					17
SOCIAL SCIENCE EDUCA	13.1317			9					9
SOCIAL STUDIES EDUCA	13.1318			9					9
TECHNICAL EDUCATION	13.1319			3					3
TRADE & INDUSTRIAL	13.1320			5				1	6
TEACHER EDUCATION, S	13.1399							1	1
TEACHER ASSISTING	13.1501				2				2
HOME ECONOMICS, GENE	19.0101			68					68
***TOTALS				1037	5			22	1064

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
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CLUSTER TITLE: TEACHING, ALL LEVELS

MONTANA DEPARTMENT OF LABOR AND INDUSTRY  
CLUSTER CODE SV05

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
045.107-010	COUNSELOR, GUIDANCE	0	0	271	66	8.90
075.121-010	NURSE, INSTRUCTOR	0	0	0	0	14.50
090.227-010	FACULTY MEMBER, COLLEGE OR UN	0	0	113	29	10.35
091.227-010	TEACHER, SECONDARY SCHOOL	0	0	570	4169	7.89
092.227-010	TEACHER, ELEMENTARY SCHOOL	0	0	701	2249	6.35
092.227-014	TEACHER, KINDERGARTEN	0	0	0	0	5.93
092.227-018	TEACHER, PRESCHOOL	0	0	0	0	7.76
094.227-018	TEACHER, HANDICAPPED STUDENTS	0	0	0	0	5.07
097.227-014	INSTRUCTOR, VOCATIONAL TRAINI	0	0	0	0	8.70
099.117-018	PRINCIPAL	0	0	0	0	10.56
099.327-010	TEACHER AIDE	0	0	0	0	4.99
153.227-014	INSTRUCTOR, PHYSICAL	0	0	0	0	5.33
153.227-018	INSTRUCTOR, SPORTS	0	0	0	0	7.62
249.367-074	TEACHER AIDE II	0	0	297	511	4.63

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
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STATEWIDE

CLUSTER TITLE: FOOD PRODUCTION

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE SV06

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL 1986-1995> GROWTH	REPLAC	OPEN
BAKERS, BREAD & PASTRY	65021380	518	604	10	22	32
BUTCHERS & MEAT CUTTERS	65023628	569	667	11	18	29
COOKS, RESTAURANT	65026384	2603	3119	57	113	170
COOKS, INSTITUTION OR CAFET	65028383	1317	1590	30	58	88
COOKS, FAST FOOD & SHORT OR	65030385	2178	2414	26	79	105
FOOD PREPARATION WORKERS	65038390	3379	3988	68	20	88
BUTCHERS & MEATCUTTERS	89801627	98	94	0	3	3
BAKERS, MANUFACTURING	89805626	133	127	-1	4	3
FOOD BATCHMAKERS	89808630	4	4	0	1	1
ALL OTHER PRECISION FOOD, TO	89899631	27	26	0	4	4
MEAT, POULTRY, FISH CUTTERS	93938805	4	4	0	0	0
TOTALS		10830	12637	201	322	523

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STATEWIDE

CLUSTER TITLE: FOOD PRODUCTION

SCHOOL YEAR 1986-87

CLUSTER CODE SV06

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
BAKING	20.0402				5	4			9
CHEF/COOK	20.0403		19		73	23		6	121
MEATCUTTING	48.0402				2				2
***TOTALS			19		80	27		6	132

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
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CLUSTER TITLE: FOOD PRODUCTION

MONTANA DEPARTMENT OF LABOR AND INDUSTRY  
CLUSTER CODE SV06

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
313.131-014	CHEF (HOTEL/REST.)	0	0	47	9	5.67
313.361-014	COOK (HOTEL/REST.)	1	12	1534	745	4.58
313.361-022	COOK, SHORT ORDER 1	0	0	692	299	4.43
313.361-026	COOK, SPECIALTY	0	0	28	9	N.A.
313.361-030	COOK, SPECIALTY, FOREIGN FOOD	0	0	31	11	N.A.
313.381-010	BAKER	0	1	15	14	6.61
313.684-010	BAKER HELPER	0	0	5	1	N.A.
315.361-010	COOK (INSTITUTION)	0	0	391	135	5.69
316.684-010	BUTCHER, CHICKEN & FISH	0	0	4	0	N.A.
316.684-018	MEAT CUTTER	2	0	197	24	8.37
317.684-014	PANTRY GOODS MAKER	0	0	50	39	N.A.
317.687-010	COOK HELPER (HOTEL/REST.)	0	0	249	113	4.17
318.687-010	KITCHEN HELPER (HOTEL/REST.)	0	0	1700	755	3.82
355.677-010	FOOD-SERVICE WORKER, HOSPITAL	0	0	101	68	4.64
525.381-014	BUTCHER, ALL-ROUND	1	0	0	0	N.A.
525.684-010	BONER, MEAT	0	0	0	0	5.73
525.684-030	FISH CLEANER	0	0	6	6	N.A.
525.687-082	POULTRY DRESSING WORKER	0	0	1	0	N.A.
526.381-010	BAKER	1	0	126	39	7.90
526.381-026	COOK, KETTLE	0	0	0	0	5.92
526.684-010	DOUGHNUT MAKER	0	0	14	28	N.A.
526.686-010	BAKER HELPER	0	0	51	43	N.A.
529.387-030	QUALITY CONTROL TECHN. (FOOD	0	0	0	0	6.85
529.686-014	CANNERY WORKER	0	0	12	0	N.A.
529.687-074	EGG CANDLER	0	0	5	0	N.A.
929.686-010	BAKERY WORKER	0	0	36	3	N.A.

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
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STATEWIDE

CLUSTER TITLE: FOOD SERVICE & MANAGEMENT

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE SV07

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL 1986-1995> GROWTH    REPLAC    OPEN		
FOOD SERVICE & LODGING MANA	15026006	1211	1365	17	48	65
ALL OTHER SERVICE SUPERVISO	61099466	726	839	13	25	38
HOSTS & HOSTESSES: REST., L	65002391	522	615	10	18	28
BARTENDERS	65005381	2931	3358	47	104	151
WAITERS & WAITRESSES	65008392	6699	7743	116	97	213
FOOD SERVERS, OUTSIDE	65011395	131	160	3	0	3
DINING ROOM & BARTENDER HEL	65014388	1051	1211	18	11	29
COUNTER ATTENDANTS	65017394	841	952	12	2	14
COMB. FOOD PREPARATION, SER	65041389	3702	4111	45	52	97
ALL OTHER FOOD SERVICE WORK	65099393	817	950	15	29	44
ALL OTHER SERVICE WORKERS	69999458	658	749	10	57	67
TOTALS		19289	22053	306	443	749

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STATEWIDE

CLUSTER TITLE: FOOD SERVICE & MANAGEMENT

SCHOOL YEAR 1986-87

CLUSTER CODE SV07

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
RESTAURANT MANAGEMEN	06.0704					1			1
FOOD MARKETING, GENE	08.0601					2			2
WAITER/WAITRESS & RE	08.0905					36			36
BARTENDING	12.0202					3		2	5
FOOD PRODUCTION, MAN	20.0401	23							23
FOOD SERVICE	20.0406		2			26	4	2	34
***TOTALS		23	2		68	4		4	101



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CLUSTER TITLE: FOOD SERVICE & MANAGEMENT

MONTANA DEPARTMENT OF LABOR AND INDUSTRY  
CLUSTER CODE SV07

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
185.137-010	MANAGER, FAST FOOD SERVICES	0	0	0	0	7.40
187.167-106	MANAGER, FOOD SERVICE	0	0	477	31	6.29
187.167-126	MANAGER LIQUOR ESTABLISHMENT	0	0	0	0	6.51
222.684-010	MEAT CLERK (RETAIL STORE)	0	0	0	0	8.52
311.477-014	COUNTER ATTENDANT, LUNCHROOM/	0	0	1084	920	3.47
311.477-018	WAITER/WAITRESS, BAR	0	0	0	0	3.84
311.477-030	WAITER/WAITRESS, INFORMAL	0	0	2006	665	3.39
311.477-038	WAITER/WAITRESS, TAKE OUT	0	0	12	0	N.A.
311.677-010	CAFETERIA ATTENDANT	0	0	36	8	N.A.
311.677-018	DINING ROOM ATTENDANT	0	0	0	0	3.49
312.474-010	BARTENDER	0	0	1469	338	5.21
319.137-010	FOOD-SERVICE SUPERVISOR (HOTE	0	0	24	2	6.96
319.474-010	FOUNTAIN SERVER (HOTEL/REST.)	0	0	8	2	3.29

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
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STATEWIDE

CLUSTER TITLE: MORTUARY SERVICE

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE SV08

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL 1986-1995> GROWTH	REPLAC	OPEN
FUNERAL DIRECTORS & MORTICI	39011245	102	118	2	5	7
EMBALMERS	39014244	21	24	0	0	0
FUNERAL ATTENDANTS	68041461	34	39	1	3	4
TOTALS		157	181	3	8	11

NO SUPPLY REPORT AVAILABLE

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CLUSTER TITLE: MORTUARY SERVICE

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE SV08

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
187.167-030	DIRECTOR, FUNERAL	0	0	9	0	14.73
406.684-010	CEMETARY WORKER	0	0	25	5	N.A.

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
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CLUSTER TITLE: THEOLOGICAL SERVICE

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE SV09

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL GROWTH	1986-1995 REPLAC	1986-1995 OPEN
CLERGY	27502100	35	39	0	3	3
DIRECTORS, RELIGIOUS ACTIV./	27505101	2	2	0	0	0
ALL OTHER RELIGIOUS WORKERS	27599248	4	3	0	0	0
TOTALS		41	44	0	3	3

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
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CLUSTER TITLE: THEOLOGICAL SERVICE

SCHOOL YEAR 1986-87

CLUSTER CODE SV09

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
RELIGION	38.0201			5					5
BIBLE STUDIES	39.0201			2					2
RELIGIOUS EDUCATION	39.0401			1					1
THEOLOGICAL STUDIES	39.0601			2				1	3
***TOTALS				10				1	11

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CLUSTER TITLE: THEOLOGICAL SERVICE

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE SV09

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
120.070-010	CLERGY MEMBER	0	1	0	0	N.A.

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
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CLUSTER TITLE: SOCIAL WORK

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE SV10

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL 1986-1995> GROWTH REPLAC OPEN		
SOCIAL SERVICE TECHNICIANS	27308419	209	226	2	6	8
SOCIAL WORKERS	27310103	1167	1302	15	43	58
WELFARE ELIGIBILITY WORKERS	53502286	269	286	2	7	9
SOCIAL WELFARE SERVICE AIDE	68034417	191	217	3	7	10
TOTALS		1836	2031	22	63	85

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STATEWIDE

CLUSTER TITLE: SOCIAL WORK

SCHOOL YEAR 1986-87

CLUSTER CODE SV10

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
REHABILITATION COUNS	17.0407			33	1			3	37
HOMEMAKER'S AIDE	20.0606				1				1
CIVIC PARTICIPATION	33.0104				1				1
SOCIAL WORK, GENERAL	44.0701			44	4			4	52
***TOTALS				77	7			7	91

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MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: SOCIAL WORK

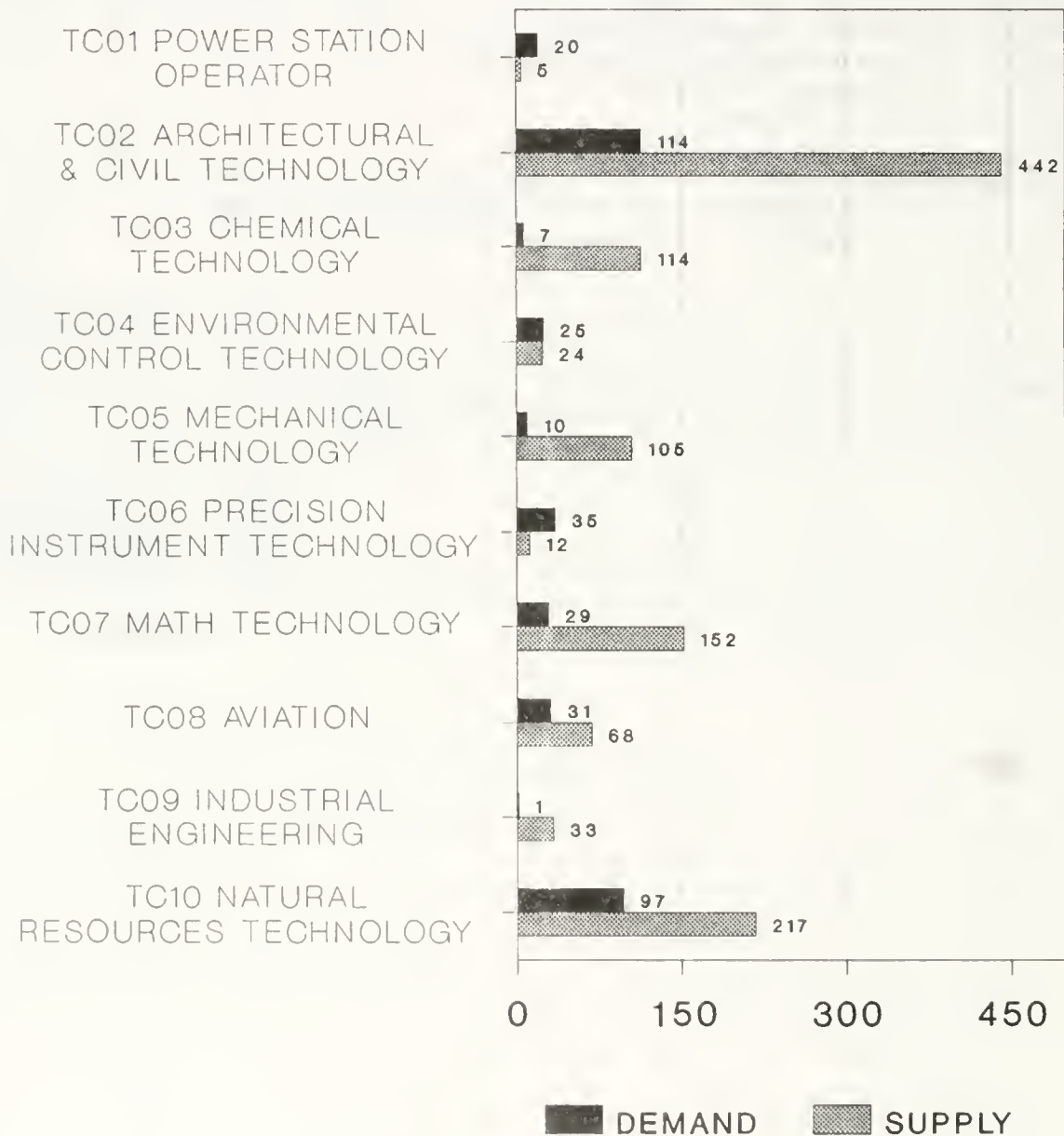
CLUSTER CODE SV10

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
187.117-046	PROGRAM DIRECTOR, GROUP WORK	0	0	0	0	9.37
187.167-186	RESIDENCE SUPERVISOR	0	0	22	7	8.89
195.107-010	CASEWORKER	0	0	53	38	7.95
195.107-022	SOCIAL GROUP WORKER	0	0	32	4	N.A.
195.107-030	SOCIAL WORKER, CLINICAL	0	0	0	0	7.12
195.117-010	ADMINISTRATOR, SOCIAL WELFARE	0	0	0	0	11.67
195.137-010	CASEWORK SUPERVISOR	0	0	0	0	7.10
195.164-010	GROUP WORKER	0	0	0	0	5.34
195.227-010	PROGRAM AIDE, GROUP WORK	0	0	0	0	4.89
195.367-010	CASE AIDE	0	0	0	0	5.64
309.354-010	HOMEMAKER	0	0	0	0	4.17
309.677-010	COMPANION	0	0	87	166	N.A.

# TECHNOLOGY CLUSTERS

## DEMAND VS. SUPPLY

ESTIMATED ANNUAL OPENINGS VS. TRAINING COMPLETERS





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CLUSTER TITLE: POWER STATION OPERATOR

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE TC01

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL 1986-1995> GROWTH    REPLAC    OPEN		
NUCLEAR ENGINEERS	22117060	3	4	0	0	0
FURNACE OPERATORS & TENDERS	91935714	25	19	-1	0	-1
LOW PRESSURE BOILER OPERATO	92926762	124	139	2	5	7
POWER GENERATING PLANT OPER	95021831	104	114	1	1	2
AUXILIARY EQUIP. OPER., POW	95023821	85	89	0	1	1
POWER DISTRIBUTORS & DISPAT	95028825	69	74	1	1	2
STATIONARY ENGINEERS	95032826	114	118	0	4	4
ALL OTHER PLANT & SYSTEM OC	95099828	93	108	2	3	5
TOTALS		617	665	5	15	20

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CLUSTER TITLE: POWER STATION OPERATOR

SCHOOL YEAR 1986-87

CLUSTER CODE TC01

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
CONV. ELECTRICAL POW	47.0502			4	1				5
***TOTALS				4	1				5

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CLUSTER TITLE: POWER STATION OPERATOR

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE TC01

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
631.261-014	POWERHOUSE MECHANIC	6	2	0	0	N.A.
805.361-010	BOILERHOUSE MECHANIC	0	1	0	0	N.A.
950.382-010	BOILER OPERATOR	6	0	0	0	N.A.
952.382-018	POWER-PLANT OPERATOR	0	0	9	0	N.A.

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CLUSTER TITLE: ARCHITECTURAL & CIVIL TECHNOLOGY  
MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE TC02

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL 1986-1995> GROWTH	REPLAC	OPEN
CIVIL ENGINEERS, INCL. TRAF	22121054	726	828	11	20	31
ALL OTHER ENGINEERS	22199064	96	116	2	3	5
ARCHITECTS, EXC. LAND. & MA	22302070	193	243	6	9	15
LANDSCAPE ARCHITECTS	22308071	19	22	0	1	1
SURVEYING & MAPPING SCIENTI	22311073	149	177	3	4	7
CIVIL ENGINEERING TECHNICIA	22502212	409	456	5	8	13
DRAFTERS	22514218	459	531	8	3	11
SURVEYING & MAPPING TECHNIC	22521074	334	389	6	10	16
ALL OTHER ENGINEERING TECHN	22599216	441	495	6	9	15
URBAN & REGIONAL PLANNERS	27105097	97	100	0	0	0
TRAFFIC TECHNICIANS	39005246	5	5	0	0	0
TOTALS		2928	3362	47	67	114

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CLUSTER TITLE: ARCHITECTURAL & CIVIL TECHNOLOGY  
SCHOOL YEAR 1986-87

CLUSTER CODE TC02

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
ARCHITECTURE	04.0201			48					48
CITY, COMMUNITY, & R	04.0301			3					3
LAND USE MANAGEMENT	04.0801			4					4
ENGINEERING, GENERAL	14.0101			62					62
CIVIL ENGINEERING	14.0801		6	111				1	118
ENGINEERING MECHANIC	14.1101			2					2
ARCHITECTURAL DESIGN	15.0101			9					9
DRAFTING & DESIGN TE	15.0202			21				1	22
SURVEYING & MAPPING	15.0203			14	1				15
ENGINEERING & ENGINE	15.9999			24					24
GEOGRAPHY	45.0701			19					19
DRAFTING, GENERAL	48.0101	93	22						115
MECHANICAL DRAFTING	48.0105				1				1
***TOTALS		93	28	317	2			2	442

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CLUSTER TITLE: ARCHITECTURAL &amp; CIVIL TECHNOLOGY

CLUSTER CODE TC02

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
001.061-010	ARCHITECT	0	0	0	0	14.71
001.261-010	DRAFTER, ARCHITECTURAL	0	0	61	14	9.12
005.061-014	CIVIL ENGINEER	0	0	81	21	15.39
005.061-034	STRUCTURAL ENGINEER (CONST.)	0	0	0	0	13.33
005.281-010	DRAFTER, CIVIL	0	1	40	9	9.33
005.281-014	DRAFTER, STRUCTURAL	0	0	3	0	N.A.
017.261-018	DETAILER	1	0	0	0	N.A.
018.167-010	CHIEF OF PARTY (SURVEY)	0	0	15	1	N.A.
018.167-018	LAND SURVEYOR	0	0	0	0	9.59
018.167-034	SURVEYOR ASSISTANT, INSTRUMEN	0	0	0	0	10.05
182.267-010	CONSTRUCTION INSPECTOR	0	0	26	0	N.A.
869.567-010	SURVEYOR HELPER	0	0	0	0	4.29

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CLUSTER TITLE: CHEMICAL TECHNOLOGY

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE TC03

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL GROWTH	1986-1995> REPLAC	OPEN
CHEMICAL ENGINEERS	22114053	52	54	0	1	1
CHEMISTS, EXCEPT BIOCHEMIST	24105088	97	104	1	1	2
CHEMICAL TECHNICIANS, EXC.H	24505224	103	105	0	3	3
CHEMICAL EQUIP. CONTROLLER/	92935764	79	72	-1	1	0
CHEMICAL EQUIPMENT TENDER	92938765	20	24	0	0	0
CHEMICAL PLANT & SYSTEM OPE	95008822	50	50	0	1	1
TOTALS		401	409	0	7	7

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CLUSTER TITLE: CHEMICAL TECHNOLOGY

SCHOOL YEAR 1986-87

CLUSTER CODE TC03

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
CHEMICAL ENGINEERING	14.0701			48					48
CHEMISTRY, GENERAL	40.0501			46					46
GEOCHEMISTRY	40.0602			1					1
CHEMICAL TECHNOLOGY	41.0301				19				19
***TOTALS				95	19				114

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CLUSTER TITLE: CHEMICAL TECHNOLOGY

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE TC03

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
008.061-018	CHEMICAL ENGINEER	0	0	8	1	N.A.
008.261-010	CHEMICAL-ENGINEERING TECHNICI	0	0	1	0	N.A.
022.061-010	CHEMICAL-LABORATORY CHIEF	0	0	18	13	12.40
022.261-010	CHEMICAL LABORATORY TECHNICIA	0	0	12	3	N.A.
029.261-010	LABORATORY TESTER	0	0	37	6	10.43
558.585-014	CHEMICAL OPERATOR II	0	0	1	0	N.A.
559.382-046	PILOT-CONTROL, OPERATOR (CHEM.	0	0	10	34	N.A.
952.362-038	SWITCHBOARD OPERATOR (CHEM.)	0	0	3	0	N.A.

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CLUSTER TITLE: ENVIRONMENTAL CONTROL TECHNOLOGY

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE TC04

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL 1986-1995> GROWTH    REPLAC    OPEN		
SAFETY ENGINEERS, EXCEPT MI	22132063	39	45	1	1	2
METEOROLOGISTS	24108090	22	23	0	0	0
WATER & WASTE TREAT. PLANT	95002827	355	398	5	1	6
REFUSE COLLECTORS	98705902	357	402	5	12	17
TOTALS		773	868	11	14	25

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CLUSTER TITLE: ENVIRONMENTAL CONTROL TECHNOLOGY

SCHOOL YEAR 1986-87

CLUSTER CODE TC04

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
ENVIRONMENTAL HEALTH	14.1401			9					9
WASTE & WASTEWATER T	15.0506			3	4				7
OCCUPATIONAL SAFETY	15.0701			5					5
PUBLIC SANITATION	44.0601					1			1
PUBLIC UTILITIES	44.0603					1			1
CONSTRUCTION INSPECT	46.0403							1	1
***TOTALS				17	6			1	24

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 CLUSTER TITLE: ENVIRONMENTAL CONTROL TECHNOLOGY CLUSTER CODE TC04

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
005.061-030	SANITARY ENGINEER	0	0	0	0	14.81
012.167-058	SAFETY MANAGER	0	0	0	0	15.13
168.267-042	FOOD & DRUG INSPECTOR	0	1	0	0	N.A.
199.384-010	DECONTAMINATOR	0	2	0	0	N.A.
551.485-010	WATER-TREATMENT-PLANT OPERATO	0	0	4	0	N.A.
869.687-038	INSPECTOR (MANUFACTURED BUILD	0	0	0	0	8.43
929.687-022	LABORER, SALVAGE	0	0	28	3	N.A.
954.362-010	DITCH RIDER (WATERWORKS)	0	0	0	0	7.75
954.382-014	WATER-TREATMENT-PLANT OPERATO	0	0	11	1	N.A.
954.382-018	WATERSHED TENDER	0	0	0	0	7.70



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CLUSTER TITLE: MECHANICAL TECHNOLOGY

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE TC05

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL GROWTH	1986-1995> REPLAC	OPEN
MECHANICAL ENGINEERS	22135057	168	208	4	5	9
MECHANICAL ENGINEERING TECH	22511215	13	19	1	0	1
TOTALS		181	227	5	5	10

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CLUSTER TITLE: MECHANICAL TECHNOLOGY

SCHOOL YEAR 1986-87

CLUSTER CODE TC05

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
MECHANICAL ENGINEERI	14.1901			97				1	98
MECHANICAL DESIGN TE	15.0805			3				3	6
MECHANICAL & RELATED	15.0899			1					1
***TOTALS				101				4	105

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CLUSTER TITLE: MECHANICAL TECHNOLOGY

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE TC05

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
007.061-014	MECHANICAL ENGINEER	0	0	26	5	16.67
007.161-026	MECHANICAL-ENGINEERING TECHNI	0	0	22	11	10.16

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CLUSTER TITLE: PRECISION INSTRUMENT TECHNOLOGY

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE TC06

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL 1986-1995> GROWTH	REPLAC	OPEN
PRECISION INSPEC., TESTERS, &	83002669	72	76	0	2	2
PRECISION INSTRUMENT REPAIR	85905615	87	94	1	13	14
WATCHMAKERS	85917618	12	13	0	2	2
MUSICAL INSTRUMENT REPAIR &	85921613	31	41	1	5	6
LOCKSMITHS & SAFE REPAIRERS	85923609	1	1	0	0	0
JEWELERS & SILVERSMITHS	89123637	107	125	2	5	7
PRECISION HAND WORKERS, JEW	89126635	3	4	0	0	0
PRECISION ETCHERS & ENGRAVE	89128634	7	8	0	1	1
OPTICAL GOODS WORKERS	89917684	18	21	0	1	1
ALL OTHER PRECISION WORKERS	89999681	104	112	1	1	2
TOTALS		442	495	5	30	35

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CLUSTER TITLE: PRECISION INSTRUMENT TECHNOLOGY

SCHOOL YEAR 1986-87

CLUSTER CODE TC06

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
INSTRUMENTATION TECH	15.0404					3			3
DENTAL LABORATORY TE	17.0103					1			1
OPERATION, MAINTENAN	47.0405							1	1
JEWELRY DESIGN, FABR	48.0602		4			2		1	7
***TOTALS			4			6		2	12

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 CLUSTER TITLE: PRECISION INSTRUMENT TECHNOLOGY CLUSTER CODE TC06

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
019.061-022	ORDNANCE ENGINEER	0	1	0	0	N.A.
700.281-010	JEWELER	0	0	0	0	7.31
710.281-026	INSTRUMENT MECHANIC	1	1	6	1	N.A.
710.681-014	CALIBRATOR I	0	1	0	0	N.A.
712.381-018	DENTAL-LABORATORY TECHNICIAN	0	0	10	2	8.49
712.664-010	DENTAL CERAMIST ASSISTANT	0	0	2	0	N.A.
712.681-018	FINISHER, DENTURE	0	0	1	0	N.A.
715.281-010	WATCH REPAIRER	0	0	4	0	N.A.
716.382-018	PRECISION-LENS GRINDER	0	0	6	1	N.A.

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CLUSTER TITLE: MATH & PHYSICAL SCIENCES

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE TC07

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL 1986-1995> GROWTH    REPLAC    OPEN		
ENGINEER., MATH., NAT. SCI.	13017014	186	202	2	7	9
PHYSICISTS & ASTRONOMERS	24102091	3	3	0	0	0
ALL OTHER PHYSICAL SCIENTIS	24199092	105	120	2	14	16
STATISTICIANS	25312085	12	13	0	1	1
ALL OTHER MATHEMATICAL SCIE	25319086	25	28	0	0	0
MATHEMATICAL TECHNICIANS	25323225	1	1	0	0	0
ECONOMISTS, MARKET ANALYSTS	27102094	83	92	1	2	3
TOTALS		415	459	5	24	29

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CLUSTER TITLE: MATH & PHYSICAL SCIENCES

SCHOOL YEAR 1986-87

CLUSTER CODE TC07

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
MATHEMATICS, GENERAL	27.0101			109					109
PURE MATHEMATICS	27.0401			13					13
STATISTICS	27.0501			3					3
PHYSICS, GENERAL	40.0801			27					27
***TOTALS				152					152

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MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: MATH & PHYSICAL SCIENCES

CLUSTER CODE TC07

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
020.067-014	MATHEMATICIAN	0	0	2	0	N.A.

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CLUSTER TITLE: AVIATION

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE TC08

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL GROWTH	1986-1995 REPLAC	1986-1995 OPEN
AIR TRAFFIC CONTROLLERS	39002228	138	149	1	3	4
AIRCRAFT MECHANICS	85323590	166	218	6	7	13
AIRCRAFT ENGINE SPECIALISTS	85326589	28	32	0	0	0
AIRCRAFT PILOTS, FLIGHT ENGI	97702834	176	266	10	4	14
TOTALS		508	665	17	14	31

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CLUSTER TITLE: AVIATION

SCHOOL YEAR 1986-87

CLUSTER CODE TC08

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
AIRCRAFT MECHANICS,	47.0607		28			1		1	30
AIRPLANE PILOTING &	49.0102						16		16
AIRPLANE PILOTING (P	49.0107						11		11
AIR TRANSPORTATION,	49.0199						11		11
***TOTALS			28			1	38	1	68

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MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: AVIATION

CLUSTER CODE TC08

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
184.117-038	MANAGER, FLIGHT OPERATIONS	0	3	0	0	N.A.
184.167-174	SUPERINTENDENT, MAINTENANCE	0	1	0	0	N.A.
193.162-018	AIR-TRAFFIC-CONTROLLER SPECIA	0	1	6	0	N.A.
196.263-014	AIRPLANE PILOT, COMMERCIAL	0	0	0	0	12.41
196.263-038	HELICOPTER PILOT	0	1	0	0	N.A.
352.367-010	AIRPLANE-FLIGHT ATTENDANT	0	0	9	0	N.A.
621.261-018	FLIGHT ENGINEER	0	0	3	0	N.A.
621.281-014	AIRFRAME-&-POWER-PLANT MECHAN	0	34	90	3	N.A.
621.381-014	MECHANIC, AIRCRAFT ACCESSORIE	0	0	4	0	N.A.
621.381-022	PNEUMATIC TESTER & MECHANIC	0	1	0	0	N.A.
632.261-010	AIRCRAFT-ARMAMENT MECHANIC	0	5	0	0	N.A.
639.281-010	AVIATION SUPPORT EQUIPMENT RE	0	2	0	0	N.A.
807.261-010	AIRCRAFT BODY REPAIRER	0	1	0	0	N.A.
823.281-010	AVIONICS TECHNICIAN	0	6	0	0	N.A.
862.381-010	AIRCRAFT MECHANIC, PLUMBING &	0	0	10	1	N.A.
912.367-014	TRANSPORTATION AGENT	0	0	9	0	N.A.



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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
D E M A N D     R E P O R T

STATEWIDE

CLUSTER TITLE: INDUSTRIAL ENGINEERING  
MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE TC09

- OCCUPATION - T I T L E	CODE	1986 EMPLOY	1995 EMPLOY	<EST. ANNUAL 1986-1995> GROWTH    REPLAC    OPEN		
INDUSTRIAL ENGINEERS,EXC. S	22128056	28	34	1	0	1
INDUSTRIAL ENGINEERING TECH	22508214	3	3	0	0	0
TOTALS		31	37	1	0	1

10/01/88  
MONTANA OCCUPATIONAL INFORMATION SYSTEM  
S U P P L Y     R E P O R T

STATEWIDE

CLUSTER TITLE: INDUSTRIAL ENGINEERING  
SCHOOL YEAR 1986-87

CLUSTER CODE TC09

- PROGRAM - T I T L E	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PRIV. SCHOOL	VOC REHAB	TOTAL *****
INDUSTRIAL ENGINEERI	14.1701			32					32
INDUSTRIAL PRODUCTIO	15.0699			1					1
***TOTALS				33					33

10/01/88  
MONTANA OCCUPATIONAL INFORMATION SYSTEM  
A N A L Y S I S     I N F O R M A T I O N

STATEWIDE  
CLUSTER TITLE: INDUSTRIAL ENGINEERING

MONTANA DEPARTMENT OF LABOR AND INDUSTRY  
CLUSTER CODE TC09

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
012.167-030	INDUSTRIAL ENGINEER	0	1	0	0	13.11
142.061-026	INDUSTRIAL DESIGNER	0	0	0	0	11.89
199.361-010	RADIOGRAPHER (INDUSTR.)	0	0	19	1	N.A.

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
D E M A N D     R E P O R T

STATEWIDE

CLUSTER TITLE: NATURAL RESOURCES TECHNOLOGY

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE TC10

- OCCUPATION -	CODE	1986	1995	<EST. ANNUAL	1986-1995>	
T I T L E		EMPLOY	EMPLOY	GROWTH	REPLAC	OPEN
METALLURGISTS & REL. ENGINE	22105058	23	24	0	0	0
MINING ENGINEERS, INC. SAFE	22108059	111	137	3	1	4
PETROLEUM ENGINEERS	22111061	29	33	0	0	0
GEOLOGIST, GEOPHYSICIST, OC	24111089	341	409	8	6	14
PETROLEUM TECHNICIANS & TEC	24511221	16	18	0	0	0
ALL OTHER SCIENCE TECHNICIA	24599222	254	303	5	3	8
MACHINERY MECH.:UNDERGROUND	85117582	2	2	0	0	0
EARTH DRILLERS, EX. OIL & G	87902554	183	206	3	7	10
BLASTERS & EXPLOSIVES WORKE	87905545	111	122	1	4	5
ROTARY DRILL OPERATORS	87911550	130	133	0	1	1
DERRICK OPERATORS, OIL & GA	87914547	68	69	0	0	0
SERVICE UNIT OPERATORS	87917552	232	236	0	5	5
ROUSTABOUTS	87921551	445	429	-2	10	8
ROOF BOLTERS	87923549	33	34	0	1	1
MINE CUTTING MACHINE OPERAT	87943548	139	144	1	1	2
ALL OTHER MINING MACH. OPER	87949558	24	27	0	0	0
ALL OTHER EXTRACTIVE OCC.,E	87989553	46	47	0	2	2
ALL OTHER CONSTR. & EXTRACT	87999557	93	112	2	2	4
GAS PLANT OPERATORS	95005829	84	93	1	3	4
PETROLEUM PUMP SYSTEM OPERA	95011830	10	8	0	0	0
PETROLEUM REFINERY OPERATOR	95014824	65	51	-2	2	0
GAUGERS	95017823	8	7	0	0	0
OIL PUMPERS, EXCEPT WELL HE	97908869	52	52	0	1	1
WELL HEAD PUMPERS	97911874	118	119	0	3	3
MAIN LINE STATION ENGINEERS	97914883	13	12	0	0	0
GAS PUMPING STATION OPERATO	97917881	9	10	0	0	0
GAS COMPRESSOR OPERATORS	97921880	26	29	0	1	1
EXCAVATION LOADING MACHINE	97923879	274	326	6	13	19
DRAGLINE OPERATORS	97926877	39	50	1	2	3
UNDERGROUND LOADING MACH. O	97932868	13	13	0	1	1
PUMP OPERATORS	97953885	78	70	-1	2	1
HELPERS, EXTRACTIVE WORKERS	98323899	25	29	0	0	0
TOTALS		3094	3354	26	71	97

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
S U P P L Y   R E P O R T

STATEWIDE

CLUSTER TITLE: NATURAL RESOURCES TECHNOLOGY

SCHOOL YEAR 1986-87

CLUSTER CODE TC10

- PROGRAM -	CODE	PUBLIC	VOC	HIGHER	JTPA	JOB	PRIV.	VOC	TOTAL
TITLE		SECOND	TECH	EDUC		CORPS	SCHOOL	REHAB	*****
GEOLOGICAL ENGINEERI	14.1501			13					13
GEOPHYSICAL ENGINEER	14.1601			12				1	13
METALLURGICAL ENGINE	14.2001			14					14
MINING & MINERAL ENG	14.2101			30					30
PETROLEUM ENGINEERIN	14.2501			68					68
MINING (EXCLUDING CO	15.0902				1				1
PETROLEUM TECHNOLOGY	15.0903				2				2
PHYSICAL SCIENCES, G	40.0101			3					3
GEOLOGY	40.0601			38				1	39
EARTH SCIENCE	40.0703			30					30
OIL & GAS DRILLING E	47.0305				1				1
MINING EQUIPMENT OPE	49.0204				3				3
***TOTALS				208	7			2	217

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MONTANA OCCUPATIONAL INFORMATION SYSTEM  
A N A L Y S I S I N F O R M A T I O N

STATEWIDE MONTANA DEPARTMENT OF LABOR AND INDUSTRY  
CLUSTER TITLE: NATURAL RESOURCES TECHNOLOGY CLUSTER CODE TC10

CODE	TITLE	APPREN	MIL RETURN	TOTAL APPS	TOTAL OPEN	AVG. HRWAGE
010.281-014	DRAFTER, GEOLOGICAL	0	0	0	0	9.41
011.061-010	FOUNDRY METALLURGIST	0	0	0	0	16.34
011.261-010	METALLURGICAL TECHNICIAN	0	0	4	0	N.A.
024.061-018	GEOLOGIST	0	0	0	0	15.34
024.061-022	GEOLOGIST, PETROLEUM	0	0	0	0	29.00
181.167-014	SUPERINTENDENT, DRILLING & PR	0	0	0	0	17.59
549.260-010	REFINERY OPERATOR	0	0	16	9	N.A.
629.381-014	OIL-FIELD EQUIPMENT MECHANIC	0	0	0	0	8.81
638.131-010	FUEL-SYSTEM-MAINTENANCE SUPER	0	1	0	0	N.A.
869.684-046	ROUSTABOUT (PETROL. PROD.)	0	0	0	0	7.88
914.382-014	PUMPER-GAGER	0	3	0	0	N.A.
914.384-010	GAGER (PETROL.)	0	0	0	0	13.08
930.130-010	TOOL PUSHER (PETROL.)	0	0	0	0	10.74
930.382-018	PROSPECTING DRILLER (PETROL.)	0	0	0	0	10.56
930.382-026	ROTARY DRILLER (PETROL.)	0	0	0	0	14.33
930.683-018	DERRICK WORKER, WELL SERVICE	0	0	0	0	8.96
930.684-014	FLOOR WORKER, WELL SERVICE (P	0	0	0	0	8.65
930.684-026	ROTARY-DRILLER HELPER	0	0	290	4	N.A.
931.261-010	BLASTER (MINING/QUARRYING)	0	0	0	0	16.34
939.131-014	SUPERVISOR, PRODUCTION (PETRO	0	0	0	0	14.97

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ADVERTISING CLERKS	53908334	27
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AGRICULTURAL BUSINESS	01.0101	18
AGRICULTURAL BUSINESS	01.0102	18
AGRICULTURAL ECONOMICS	01.0103	18
AGRICULTURAL EDUCATION	13.1301	114
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AGRICULTURAL POWER MECHANICS	01.0204	19
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AIRCRAFT MECHANIC, PLUMBING & HYDR.	862.381-010	136
AIRCRAFT MECHANICS	85323590	135
AIRCRAFT MECHANICS, AIRFRAME	47.0607	135
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AIRPLANE PILOTING & NAVIGATION (COMMERCIAL)	49.0102	135
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TELEGRAPH & TELETYPE OPERATORS	57111292	72
TELEGRAPHIC-TYPEWRITER OPERATOR	203.582-050	73
TELEPH. STATION INSTALL. & REPAIRERS	85726574	102
TELEPHONE & CABLE TV INSTALLERS	85702575	102
TELEPHONE OPERATOR	235.662-022	73
TELEPHONE SOLICITOR	299.357-014	73
TELEPHONE-ANSWERING-SERVICE OP.	235.662-026	73
TELEVISION-&-RADIO REPAIRER	720.281-018	88

<u>Title</u>	<u>Code</u>	<u>Page #</u>
TELLER	07.0205	32
TELLER	211.362-018	33
TELLERS	53102366	32
TERMINAL OPERATOR	203.582-054	79
TEXTILE MACHINE OPERATORS	92705753	104
TEXTILE TECHNOLOGY	15.0609	104
THEOLOGICAL STUDIES	39.0601	121
TICKET AGENT	238.367-026	66
TICKET TAKER	344.667-010	66
TIMBER-SIZER OPERATOR	665.482-018	22
TIRE BUILDER, AUTOMOBILE	750.384-010	64
TIRE RECAPPER	750.685-014	64
TIRE REPAIRER	915.684-010	97
TIRE REPAIRERS & CHANGERS	85953617	96
TITLE EXAMINER	119.287-010	75
TITLE EXAMINERS & ABSTRACTORS	28311237	74
TITLE SEARCHER (REAL ESTATE)	209.367-046	75
TITLE SEARCHERS	28308238	74
TOOL & DIE MAKERS	89102643	98
TOOL & DIE MAKING	48.0507	98
TOOL GRINDERS, FILERS, SHARPENERS	89111645	98
TOOL PUSHER (PETROL.)	930.130-010	140
TOOL-&-DIE MAKER	601.280-046	99
TRACTOR OPERATOR	929.683-014	95
TRACTOR-TRAILER-TRUCK DRIVER	904.383-010	95
TRADE & INDUSTRIAL EDUCATION	13.1320	114
TRADE & INDUSTRIAL SUPERVISION & MANAGEMENT	06.2001	77
TRAFFIC TECHNICIANS	39005246	126
TRAFFIC, RATE, & TRANSPORTATION CLERK	07.0709	70
TRAFFIC, SHIPPING, & REC. CLERKS	58028328	70
TRAILER ASSEMBLER	806.381-058	64
TRANSCRIBING-MACHINE OPERATOR	203.582-058	71
TRANSIT CLERKS	53108299	32
TRANSMISSION MECHANIC	620.281-062	97
TRANSPORTATION AGENT	912.367-014	136
TRANSPORTATION MANAGEMENT	06.0705	77
TRANSPORTATION MARKETING	08.1102	60
TRAVEL AGENT	252.157-010	66
TRAVEL AGENTS	43021264	65
TRAVEL CLERKS	53802313	72
TRAVEL SERVICES MARKETING	08.1105	65
TREE-SHEAR OPERATOR	454.683-010	22
TRIMMER SAWYER	667.482-022	22
TRUCK & BUS DRIVING	49.0205	109
TRUCK DRIVER, HEAVY	905.663-014	95
TRUCK DRIVER, LIGHT	906.683-022	110
TRUCK DRIVERS	97101840	109
TRUCK-BODY BUILDER	807.281-010	101
TRUST ADMINISTRATOR (FINAN. INST.)	186.117-074	33
TURF MANAGEMENT	01.0607	20
TYPESETTER-PERFORATOR OPERATOR	203.582-062	30
TYPESETTING MACH. OPERATOR	92541739	29
TYPESETTING, MAKE-UP & COMPOSITION	48.0205	29
TYPING, GENERAL OFFICE, & RELATED PROGS.	07.0701	70
TYPIST	203.582-066	71
TYPISTS	55307347	70



<u>Title</u>	<u>Code</u>	<u>Page #</u>
TYPISTS, WORD PROCESSING EQUIP.	55311349	79
U.S. MARSHALLS	63026449	84
UNDERGROUND LOADING MACH. OP.	97932868	138
UNDERWRITER	169.167-058	35
UNDERWRITERS	21102041	34
UNDERWRITING CLERK	219.367-038	35
UPHOLSTERER, INSIDE	780.681-010	105
UPHOLSTERERS	89508656	104
UPHOLSTERING	48.0303	104
UPHOLSTERY SEWER	780.682-018	105
URBAN & REGIONAL PLANNERS	27105097	126
USHERS, LOBBY ATT., TICKET TAKER	68021421	65
UTILITY-TRACTOR OPERATOR	850.683-046	95
VEHICLE & EQUIPMENT OPERATION, GEN.	49.0201	109
VEHICLE, EQUIPMENT CLEANERS	98905906	109
VENDING & RECREATIONAL MACHINE REPAIR	47.0109	89
VENDORS,SOLICITORS,DOOR-TO-DOOR	49026275	59
VETERINARIAN	073.101-010	24
VETERINARIANS, VET. INSPECTORS	32114169	24
VETERINARY MEDICINE	18.2401	24
VICE PRESIDENT	189.117-034	78
VIDEO OPERATOR	194.282-010	30
VISUAL & PERFORMING ARTS, GEN.	50.0101	55
VOCATIONAL & EDUC. COUNSELORS	31514149	113
WAITER/WAITRESS & RELATED SERVICES	08.0905	118
WAITER/WAITRESS, BAR	311.477-018	119
WAITER/WAITRESS, INFORMAL	311.477-030	119
WAITER/WAITRESS, TAKE OUT	311.477-038	119
WAITERS & WAITRESSES	65008392	118
WARD CLERK (MED.)	245.362-014	43
WASHER, MACHINE	361.665-010	105
WASTE & WASTEWATER TECHNOLOGY	15.0506	129
WATCH REPAIRER	715.281-010	133
WATCHMAKERS	85917618	132
WATER & WASTE TREAT. PLANT OP.	95002827	129
WATER-TREATMENT-PLANT OPERATOR	551.485-010	130
WATER-TREATMENT-PLANT OPERATOR	954.382-014	130
WATERSHED TENDER	954.382-018	130
WEB-PRESS OPERATOR	651.362-030	30
WEIGHERS, MEASURERS, CHECKERS	58017330	70
WELDER, ARC	810.384-014	91
WELDER, COMBINATION	819.384-010	91
WELDER, GAS	811.684-014	91
WELDER, PRODUCTION LINE	819.684-010	64
WELDERS & CUTTERS	93914812	91
WELDING	48.0508	91
WELDING MACHINE OPERATORS	91705708	91
WELDING MACHINE SETTER/OP.	91702709	91
WELDING SUPERVISOR	819.131-014	91
WELFARE ELIGIBILITY WORKERS	53502286	122
WELL HEAD PUMPERS	97911874	138
WHOLESALE, RETAIL BUYERS,EXC. FARM	21302038	59
WHOLESALE	08.0707	60
WILDLIFE MANAGEMENT	03.0601	23
WOOD MACHINISTS	89308665	98
WOODWORKING MACHINE OPERATOR	92314759	92









MONTANA  
SUMMARY OF CLUSTERS  
IN DESCENDING ORDER  
BY DEMAND

CLUS #	CLUSTER TITLE	DEMAND	SUPPLY
MK02	SALES	1482	554
SV05	TEACHING, ALL LEVELS	1062	1064
SV01	INSTITUTIONAL & BUILDING SERVICE	822	117
SV07	FOOD SERVICE & MANAGEMENT	749	101
OF06	ADMINISTRATION/OFFICE MANAGEMENT	724	725
SV02	VEHICLE OPERATORS & CLEANERS	585	40
OF02	CLERICAL OFFICE PRACTICE	573	870
SK04	CARPENTRY & CONSTRUCTION TRADES	547	235
SV06	FOOD PRODUCTION	523	132
OF01	BOOKKEEPING & ACCOUNTING	441	392
HE10	REGISTERED NURSE	387	259
FR01	FINANCE	357	96
OF04	PERSONNEL, LABOR RELATIONS, & LAW	348	252
OF05	SECRETARIAL OFFICE PRACTICE	278	602
SK09	UTILITIES	268	233
HE06	NURSING ASSISTANT	262	138
SK06	TRANSPORTATION & ENGINE REPAIR	232	442
SK05	HEAVY EQUIPMENT REPAIR & OPERATION	229	96
MK03	MANUFACTURING	223	55
OF03	OFFICE & INFORMATION SERVICES	188	76
PS03	POLICE SCIENCE & CRIMINOLOGY	177	45
MK04	RECREATION & TOURISM	156	205
HE09	OTHER MEDICAL TECHNOLOGY	150	238
SK10	TEXTILES	134	20
FR02	INSURANCE	115	9
TC02	ARCHITECTURAL & CIVIL TECHNOLOGY	114	442
AG04	HORTICULTURE & LANDSCAPING	113	24
HE04	LICENSED PRACTICAL NURSE	108	111
SK01	ELECTRICAL & ELECTRONIC TECHNOLOGY	106	279
TC10	NATURAL RESOURCES TECHNOLOGY	97	217
SV10	SOCIAL WORK	85	91
LA03	LIBRARY ARTS	79	3
CM02	ADVERTISING & WRITING	73	40
SK02	APPLIANCE REPAIR	73	37
AG05	FORESTRY & LUMBER PRODUCTION	64	129
OF08	COMPUTER SCIENCE & PROGRAMMING	64	182
HE03	MEDICAL LABORATORY	59	193
HE02	DENTAL TECHNOLOGY	56	31
AG02	AGRICULTURE BUSINESS	55	178
HE11	PHYSICIAN	55	0
OF07	DATA ENTRY & COMPUTER OPERATION	52	354
SV03	BARBERING & COSMETOLOGY	52	397
HE08	REHABILITATION	51	69
SK07	MACHINE SHOP	47	25
AG01	AGRICULTURE PRODUCTION	36	440
TC06	PRECISION INSTRUMENT TECHNOLOGY	35	12
CM04	PRINTING & PHOTOGRAPHY	33	11

## APPENDIX A

MONTANA  
SUMMARY OF CLUSTERS  
IN DESCENDING ORDER  
BY DEMAND

CLUS #	CLUSTER TITLE	DEMAND	SUPPLY
HE07	RADIOLOGIC TECHNOLOGY	31	22
TC08	AVIATION	31	68
TC07	MATH & PHYSICAL SCIENCES	29	152
FR03	REAL ESTATE	28	651
HE01	MEDICAL RECORDS	27	47
CM03	COMMERCIAL ART & GRAPHIC ART	25	7
SK03	WELDING	25	144
TC04	ENVIRONMENTAL CONTROL TECHNOLOGY	25	24
CM01	MASS COMMUNICATIONS	21	220
TC01	POWER STATION OPERATOR	20	5
PS02	FIRE & FIRE SAFETY	18	1
SV04	CHILD CARE SERVICES	16	41
MK01	MARKETING MANAGEMENT	14	87
SK08	METALWORKING	13	33
AG03	AGRICULTURE MECHANICS	12	37
SV08	MORTUARY SERVICE	11	0
TC05	MECHANICAL TECHNOLOGY	10	105
PS01	EMERGENCY MEDICAL TECHNOLOGY	9	1
TC03	CHEMICAL TECHNOLOGY	7	114
HE05	SURGICAL TECHNOLOGY	6	10
AG06	FISH & WILDLIFE	3	75
SV09	THEOLOGICAL SERVICE	3	11
LA02	HISTORY & PHILOSOPHY	2	122
LA04	FINE ARTS	2	107
LA05	SOCIAL SCIENCES	2	135
TC09	INDUSTRIAL ENGINEERING	1	33
LA01	LIBERAL ARTS & FOREIGN LANGUAGES	0	464
AG07	ANIMAL CARE	-1	5
*** Total ***		12909	12982

MONTANA  
SUMMARY OF CLUSTERS  
IN DESCENDING ORDER  
BY SUPPLY

CLUS #	CLUSTER TITLE	SUPPLY	DEMAND
SV05	TEACHING, ALL LEVELS	1064	1062
OF02	CLERICAL OFFICE PRACTICE	870	573
OF06	ADMINISTRATION/OFFICE MANAGEMENT	725	724
FR03	REAL ESTATE	651	28
OF05	SECRETARIAL OFFICE PRACTICE	602	278
MK02	SALES	554	1482
LA01	LIBERAL ARTS & FOREIGN LANGUAGES	464	0
SK06	TRANSPORTATION & ENGINE REPAIR	442	232
TC02	ARCHITECTURAL & CIVIL TECHNOLOGY	442	114
AG01	AGRICULTURE PRODUCTION	440	36
SV03	BARBERING & COSMETOLOGY	397	52
OF01	BOOKKEEPING & ACCOUNTING	392	441
OF07	DATA ENTRY & COMPUTER OPERATION	354	52
SK01	ELECTRICAL & ELECTRONIC TECHNOLOGY	279	106
HE10	REGISTERED NURSE	259	387
OF04	PERSONNEL, LABOR RELATIONS, & LAW	252	348
HE09	OTHER MEDICAL TECHNOLOGY	238	150
SK04	CARPENTRY & CONSTRUCTION TRADES	235	547
SK09	UTILITIES	233	268
CM01	MASS COMMUNICATIONS	220	21
TC10	NATURAL RESOURCES TECHNOLOGY	217	97
MK04	RECREATION & TOURISM	205	156
HE03	MEDICAL LABORATORY	193	59
OF08	COMPUTER SCIENCE & PROGRAMMING	182	64
AG02	AGRICULTURE BUSINESS	178	55
TC07	MATH & PHYSICAL SCIENCES	152	29
SK03	WELDING	144	25
HE06	NURSING ASSISTANT	138	262
LA05	SOCIAL SCIENCES	135	2
SV06	FOOD PRODUCTION	132	523
AG05	FORESTRY & LUMBER PRODUCTION	129	64
LA02	HISTORY & PHILOSOPHY	122	2
SV01	INSTITUTIONAL & BUILDING SERVICE	117	822
TC03	CHEMICAL TECHNOLOGY	114	7
HE04	LICENSED PRACTICAL NURSE	111	108
LA04	FINE ARTS	107	2
TC05	MECHANICAL TECHNOLOGY	105	10
SV07	FOOD SERVICE & MANAGEMENT	101	749
FR01	FINANCE	96	357
SK05	HEAVY EQUIPMENT REPAIR & OPERATION	96	229
SV10	SOCIAL WORK	91	85
MK01	MARKETING MANAGEMENT	87	14
OF03	OFFICE & INFORMATION SERVICES	76	188
AG06	FISH & WILDLIFE	75	3
HE08	REHABILITATION	69	51
TC08	AVIATION	68	31
MK03	MANUFACTURING	55	223



## APPENDIX B

MONTANA  
SUMMARY OF CLUSTERS  
IN DESCENDING ORDER  
BY SUPPLY

CLUS #	CLUSTER TITLE	SUPPLY	DEMAND
HE01	MEDICAL RECORDS	47	27
PS03	POLICE SCIENCE & CRIMINOLOGY	45	177
SV04	CHILD CARE SERVICES	41	16
CM02	ADVERTISING & WRITING	40	73
SV02	VEHICLE OPERATORS & CLEANERS	40	585
AG03	AGRICULTURE MECHANICS	37	12
SK02	APPLIANCE REPAIR	37	73
SK08	METALWORKING	33	13
TC09	INDUSTRIAL ENGINEERING	33	1
HE02	DENTAL TECHNOLOGY	31	56
SK07	MACHINE SHOP	25	47
AG04	HORTICULTURE & LANDSCAPING	24	113
TC04	ENVIRONMENTAL CONTROL TECHNOLOGY	24	25
HE07	RADIOLOGIC TECHNOLOGY	22	31
SK10	TEXTILES	20	134
TC06	PRECISION INSTRUMENT TECHNOLOGY	12	35
CM04	PRINTING & PHOTOGRAPHY	11	33
SV09	THEOLOGICAL SERVICE	11	3
HE05	SURGICAL TECHNOLOGY	10	6
FR02	INSURANCE	9	115
CM03	COMMERCIAL ART & GRAPHIC ART	7	25
AG07	ANIMAL CARE	5	-1
TC01	POWER STATION OPERATOR	5	20
LA03	LIBRARY ARTS	3	79
PS01	EMERGENCY MEDICAL TECHNOLOGY	1	9
PS02	FIRE & FIRE SAFETY	1	18
HE11	PHYSICIAN	0	55
SV08	MORTUARY SERVICE	0	11
***	Total ***	12982	12909

MONTANA  
OCCUPATIONS RANKED BY  
ANNUAL OPENINGS TO 1995

CLUS #	O.E.S. CODE	O.E.S. TITLE	ANNUAL OPENINGS TO 1995
MK02	49011261	SALESPERSONS, RETAIL	604
SV01	67005376	JANITORS & CLEANERS, EXC.MAIDS	498
HE10	32502160	REGISTERED NURSES	387
SV02	97101840	TRUCK DRIVERS	387
MK02	49023254	CASHIERS	324
OF01	55338305	BOOKKEEPING & ACCOUNTING CLERKS	312
OF06	19005016	GENERAL MANAGERS & TOP EXEC.	300
OF05	55199345	ALL OTHER SECRETARIES	278
SV05	31305114	TEACHERS, ELEMENTARY	269
OF02	55347357	GENERAL OFFICE CLERKS	261
SK09	85132585	MAINTENANCE REPAIRERS, GEN.UTIL.	219
SV07	65008392	WAITERS & WAITRESSES	213
HE06	66008401	NURSING AIDES & ORDERLIES	204
SV01	67002377	MAIDS & HOUSEKEEPING CLEANERS	187
SV06	65026384	COOKS, RESTAURANT	170
SV07	65005381	BARTENDERS	151
SV05	31308117	TEACHERS, SECONDARY SCHOOL	149
SK04	87110510	CARPENTERS	147
SV05	31521365	TEACHERS AIDES, PARAPROFESSIONAL	143
MK02	49021263	STOCK CLERKS, SALES FLOOR	138
OF01	21114025	ACCOUNTANTS & AUDITORS	129
MK02	41002268	FIRST LINE SUPERVISORS, SALES	115
SV02	97111838	BUS DRIVERS, SCHOOL	110
HE04	32505198	LICENSED PRACTICAL NURSES	108
AG04	79014474	GARDENERS & GROUNDSKEEPERS	105
SK04	98999907	ALL OTHER HELPER, LABORER, MOVER	105
SV06	65030385	COOKS, FAST FOOD & SHORT ORDER	105
SV07	65041389	COMB. FOOD PREPARATION, SERVICE	97
FR01	13002015	FINANCIAL MANAGERS	94
MK02	49008269	SALES REPS EXC.SCIENTIF & RETAIL	88
OF02	51002369	FIRST LINE SUPERVISORS, CLERICAL	88
SV06	65028383	COOKS, INSTITUTION OR CAFETERIA	88
SV06	65038390	FOOD PREPARATION WORKERS	88
OF04	28108110	LAWYERS	76
OF03	55305310	RECEPTIONISTS, INFORMATION CLERKS	75
SV05	31321139	INSTRUCTORS AND COACHES, SPORTS	75
SV01	61008457	HOUSEKEEPERS, INSTITUTIONAL	72
OF02	59999367	ALL OTHER CLERICAL & ADM.SUPPORT	71
SK06	85302593	AUTOMOTIVE MECHANICS	67
SV07	69999458	ALL OTHER SERVICE WORKERS	67
MK04	53808308	HOTEL DESK CLERKS	65
SV07	15026006	FOOD SERVICE & LODGING MANAGERS	65
PS03	63047453	GUARDS & WATCH GUARDS	60
SV05	53904363	TEACHER AIDES & EDUC. ASSISTANTS	60
SV10	27310103	SOCIAL WORKERS	58
OF06	15005013	EDUCATION ADMINISTRATORS	57
OF06	19002008	PUBLIC ADMIN., LEG., GEN. ADMIN.	57

## APPENDIX C

MONTANA  
OCCUPATIONS RANKED BY  
ANNUAL OPENINGS TO 1995

CLUS #	O.E.S. CODE	O.E.S. TITLE	ANNUAL OPENINGS TO 1995
SK05	97956870	OPERATING ENGINEERS	57
HE11	32102159	PHYSICIANS & SURGEONS	53
OF06	19999009	ALL OTHER MANAGERS & ADMINIST.	53
OF03	57305317	POSTAL MAIL CARRIERS	52
OF08	25104230	COMPUTER PROGRAMMERS & AIDES	52
SK04	81017500	FIRST LINE SUPERV. HELP, LABORERS	52
MK02	49999265	ALL OTHER SALES & RELATED OCC.	51
SK01	87202520	ELECTRICIANS	51
SK05	97938871	GRADER, DOZER, SCRAPER OPERATORS	50
SK06	81002501	FIRST LINE SUPERV. MECH. & REPAIR	50
OF04	55102343	LEGAL SECRETARIES	49
FR02	43002256	INSURANCE SALES WORKERS	48
OF06	39999247	ALL OTHER PROF., PARAPROF., TECHN.	48
SK10	92726746	LAUNDRY, DRYCLEANING MACH. OPER.	48
LA03	31502148	LIBRARIANS, PROFESSIONAL	46
FR01	55344303	BILLING, COST & RATE CLERKS	44
HE06	66011418	HOME HEALTH AIDES	44
SV07	65099393	ALL OTHER FOOD SERVICE WORKERS	44
SK10	92717748	SEWING MACH. OPERATOR, GARMENT	43
SV01	67099464	ALL OTHER CLEAN, BUILDING SERVICE	43
SV05	31314140	TEACHERS, VOCATIONAL EDUCATION	43
MK03	85999619	ALL OTHER MECHANICS, INSTALLERS	42
SV05	31311144	TEACHERS, SPECIAL EDUCATION	42
SV05	31317138	INSTRUCTORS, NONVOCATIONAL EDUC.	42
OF04	55332370	INTERVIEWING CLERKS, EX. PERSONNEL	41
SV03	68005412	HAIRDRESSERS & COSMETOLOGISTS	41
SV05	31399141	ALL OTHER TEACHERS, INSTRUCTORS	41
OF02	55307347	TYPISTS	40
SK04	98799903	ALL OTHER HAND MATERIAL MOVERS	40
SK06	85311595	BUS, TRUCK, DIESEL ENG. MECHANIC	40
OF02	58023327	STOCK CLERKS: STOCKROOM OR WAREH.	39
OF04	28102109	JUDGES & MAGISTRATES	39
SK04	87502530	PLUMBER, PIPEFITTER, STEAMFITTER	39
SV07	61099466	ALL OTHER SERVICE SUPERVISORS	38
SK02	85902605	HEATING, A/C, REFRIG. MECHANICS	37
SK04	81005499	FIRST LINE SUPERV. CONST. EXTRAC.	35
FR01	43014262	SECURITIES, FINANCIAL SERV. SALES	34
MK02	49014273	SALESPERSONS, PARTS	34
OF06	15017012	CONSTRUCTION MANAGERS	33
OF06	15023011	COMMUNICATION, TRANSP., UTIL. MGRS	33
FR01	53121358	LOAN & CREDIT CLERKS	32
MK03	98502900	MACHINE FEEDERS & OFFBEARERS	32
SV05	31302113	TEACHERS, PRESCHOOL & KINDERGARTN	32
SV06	65021380	BAKERS, BREAD & PASTRY	32
HE09	32517156	PHARMACISTS	31
OF07	55311349	TYPISTS, WORD PROCESSING EQUIP.	31
TC02	22121054	CIVIL ENGINEERS, INCL. TRAFFIC	31

MONTANA  
OCCUPATIONS RANKED BY  
ANNUAL OPENINGS TO 1995

CLUS #	O.E.S. CODE	O.E.S. TITLE	ANNUAL OPENINGS TO 1995
HE07	32916203	RADIOLOGIC TECHNOL. & TECHNICIAN	30
MK03	93956813	ALL OTHER ASSEMBLERS, FABRICATOR	30
OF06	15002007	POSTMASTERS, MAIL SUPERINTENDENT	30
OF04	21911028	COMPLIANCE & ENFORCE. INSPECTORS	29
SV05	31117137	GRADUATE ASSISTANTS, TEACHING	29
SV05	31299134	ALL OTHER POST SECONDARY TEACHER	29
SV06	65023628	BUTCHERS & MEAT CUTTERS	29
SV07	65014388	DINING ROOM & BARTENDER HELPERS	29
SK05	85314597	MOBILE HEAVY EQUIPMENT MECHANICS	28
SV07	65002391	HOSTS & HOSTESSES: REST., LOUNGE	28
FR02	53314284	INSURANCE POLICY PROCESS. CLERKS	27
HE01	55105344	MEDICAL SECRETARIES	27
MK02	21302038	WHOLESALE, RETAIL BUYERS, EX. FARM	27
OF02	58028328	TRAFFIC, SHIPPING, & REC. CLERKS	27
OF06	15008019	MEDICINE & HEALTH SERV. MGRS	27
PS03	63031447	SHERIFFS, DEPUTIES, U.S. MARSHALLS	27
MK04	68014407	AMUSEMENT & RECREATION ATTENDANT	26
HE02	32105152	DENTISTS	25
HE09	66099465	ALL OTHER HEALTH SERVICE WORKERS	25
OF03	57102291	SWITCHBOARD OPERATORS	25
SK03	93914812	WELDERS & CUTTERS	25
AG01	79999495	ALL OTHER AGRIC., FOREST, FISH.	24
AG02	21308037	PURCHASING AGENT EX. WHO/RET/FARM	24
MK03	92965767	CRUSHING & MIXING MACHINE OPER.	24
OF07	56011295	COMPUTER OPERATORS, EXC. PERIPH.	24
SK05	87711524	HIGHWAY MAINTENANCE WORKERS	24
CM02	43023270	SALES AGENTS, ADVERTISING	23
FR01	53102366	TELLERS	23
MK04	43021264	TRAVEL AGENTS	23
PS03	63014442	POLICE PATROL OFFICERS	23
SK07	89108639	MACHINISTS	23
MK02	97117841	DRIVER/SALES WORKERS	22
MK04	53805312	RESERVATION & TRANS. TICKET AGENT	22
PS03	63017430	CORRECTION OFFICERS & JAILERS	22
CM02	13011018	MARKETING, ADV., PUBLIC REL. MGRS	21
OF04	28305235	PARALEGAL PERSONNEL	21
SK06	85305591	AUTOMOTIVE BODY, RELATED REPAIRER	21
CM02	34002190	WRITERS & EDITORS	20
FR01	21105044	CREDIT ANALYSTS	20
OF06	13014010	ADMINISTRATIVE SERVICES MANAGER	20
OF06	81099504	ALL OTHER FIRST LINE SUPERVISORS	20
SK06	85953617	TIRE REPAIRERS & CHANGERS	20
AG05	79002490	FOREST & CONSERVATION WORKERS	19
FR01	21917026	ASSESSORS	19
HE03	24308079	BIOLOGICAL SCIENTISTS	19
LA03	31505242	TECHNICAL ASSISTANTS, LIBRARY	19
MK02	49017255	COUNTER & RENTAL CLERKS	19



## APPENDIX C

MONTANA  
OCCUPATIONS RANKED BY  
ANNUAL OPENINGS TO 1995

CLUS #	O.E.S. CODE	O.E.S. TITLE	ANNUAL OPENINGS TO 1995
SK09	85911603	ELECTRIC METER INSTALLERS/REPAIR	19
SV05	31216127	ENGLISH & FOREIGN LANG. TEACHERS	19
TC10	97923879	EXCAVATION LOADING MACHINE OPER.	19
HE02	66002398	DENTAL ASSISTANTS	18
MK02	49005274	SALES REPS, SCIENTIF. PROD. EXC. RET	18
MK03	83004670	OTHER INSPECTORS, TESTER, GRADER	18
SV02	97108837	BUS DRIVERS	18
HE09	32514154	OPTICIANS, DISPENSING & MEASUR.	17
HE09	32999208	ALL OTHER HEALTH PROF., PARA, TECH	17
MK03	81008502	FIRST LINE SUPERV. PRODUCTION	17
OF06	21999042	ALL OTHER MANAGEMENT SUPPORT OCC	17
SK05	85119583	ALL OTHER MACHINERY MECHANICS	17
SK06	97805861	SERVICE STATION ATTENDANTS	17
TC04	98705902	REFUSE COLLECTORS	17
AG02	31323136	FARM & HOME MANAGEMENT ADVISORS	16
AG05	73002489	FALLERS & BUCKERS	16
HE03	32902201	MED./CLINICAL LAB. TECHNOLOGISTS	16
MK03	98902905	HAND PACKERS & PACKAGERS	16
SK01	22505213	ELECTRICAL & ELECTRONIC TECHNS.	16
SV02	81011503	FIRST LINE SUPERV. TRANSPORT.	16
SV04	68038410	CHILD CARE WORKERS	16
SV05	31514149	VOCATIONAL & EDUC. COUNSELORS	16
TC02	22521074	SURVEYING & MAPPING TECHNICIAN	16
TC07	24199092	ALL OTHER PHYSICAL SCIENTISTS	16
HE09	66014402	PSYCHIATRIC AIDES	15
OF04	53702351	COURT CLERKS	15
SV05	31202129	LIFE SCIENCE TEACHERS	15
TC02	22302070	ARCHITECTS, EXC. LAND. & MARINE	15
TC02	22599216	ALL OTHER ENGINEERING TECHN.	15
FR01	53105309	NEW ACCOUNTS CLERKS	14
HE06	66005399	MEDICAL ASSISTANTS	14
HE08	32302165	RESPIRATORY THERAPISTS	14
MK01	13008023	PURCHASING MANAGERS	14
PS02	63008432	FIRE FIGHTERS	14
SK01	22126055	ELECTRICAL & ELECTRONIC ENGINEER	14
SK04	98312893	HELPERS, CARPENTERS	14
SK09	85723570	ELECTRICAL POWERLINE INSTAL/RPR.	14
SV07	65017394	COUNTER ATTENDANTS	14
TC06	85905615	PRECISION INSTRUMENT REPAIRERS	14
TC08	97702834	AIRCRAFT PILOTS, FLIGHT ENGINEERS	14
TC10	24111089	GEOLOGIST, GEOPHYSICIST, OCEANOGR	14
AG05	24302080	FORESTER, CONSERVATION SCIENTIST	13
CM01	34011187	REPORTERS & CORRESPONDENTS	13
HE03	32911202	MEDICAL RECORDS TECHN. & TECHNOL.	13
HE09	32521153	DIETITIANS & NUTRITIONISTS	13
SK06	98102908	MECHANIC & REPAIRER HELPERS	13
SK07	92308757	SAWING MACHING OPERATOR/TENDER	13



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CLUS #	O.E.S. CODE	O.E.S. TITLE	ANNUAL OPENINGS TO 1995
TC02	22502212	CIVIL ENGINEERING TECHNICIANS	13
TC08	85323590	AIRCRAFT MECHANICS	13
FR01	53508279	BILL & ACCOUNT COLLECTORS	12
FR02	53302280	INSURANCE ADJUSTERS, INVESTIGATOR	12
HE08	32305162	OCCUPATIONAL THERAPISTS	12
MK03	92974774	PACKAGING & FILLING MACHINE OPER	12
OF02	55321336	FILE CLERKS	12
OF08	25102076	COMPUTER SYSTEMS ANALYSTS, EDP	12
PS03	58002322	DISPATCHER: POLICE, FIRE, AMBULANCE	12
SK02	85711607	ELECTR. HOME APPL. & POWER TOOL	12
SK04	87402526	PAINTERS & PAPERHANGERS	12
SK04	87808532	ROOFERS	12
SK04	89311662	CABINETMAKERS & BENCH CARPENTERS	12
SK10	89505653	CUSTOM TAILORS & SEWERS	12
SV02	97899889	ALL OTHER TRANSPORTATION WORKERS	12
AG02	21305048	PURCHASING AGENTS & BUYERS, FARM	11
FR01	21108046	LOAN OFFICERS & COUNSELORS	11
FR02	21102041	UNDERWRITERS	11
LA03	53902337	LIBRARY ASSISTANTS & BOOKMOBILE	11
MK02	43017271	SALES AGENTS, BUSINESS SERVICES	11
MK02	49026275	VENDORS, SOLICITORS, DOOR-TO-DOOR	11
OF03	57308318	POSTAL SERVICE CLERKS	11
OF04	28399239	ALL OTHER LEGAL ASSISTANTS	11
OF04	55314339	PERSONNEL CLERKS, EXCEPT PAYROLL	11
SK05	85128584	MACHINERY MAINTENANCE WORKERS	11
SK05	97951863	CONVEYOR OPERATORS & TENDERS	11
SV02	98905906	VEHICLE, EQUIPMENT CLEANERS	11
SV03	68002409	BARBERS	11
SV05	31210132	SOCIAL SCIENCE TEACHERS	11
TC02	22514218	DRAFTERS	11
CM03	34038174	DESIGNERS, EXC. INTERIOR DESIGN.	10
FR01	21914039	TAX EXAMINER, COLLECTOR, REV. AGENT	10
HE02	32908193	DENTAL HYGIENISTS	10
OF02	56002304	BILL., POST, CALCULATING MACH. OP	10
SK04	87317529	PLASTERERS & STUCCO MASONS	10
SK05	85123586	MILLWRIGHTS	10
SV01	21908029	CONSTRUCTION, BUILDING INSPECTOR	10
SV10	68034417	SOCIAL WELFARE SERVICE AIDES	10
TC10	87902554	EARTH DRILLERS, EX. OIL & GAS	10
AG03	85321596	FARM EQUIPMENT MECHANICS	9
HE08	32308163	PHYSICAL THERAPISTS	9
MK02	43099266	ALL OTHER SERVICE SALES OCC.	9
MK03	92998782	ALL OTHER MACHINE OPERATORS	9
OF02	55323338	ORDER CLERKS: MATERIALS, SERVICE	9
OF03	58005321	DISPATCHERS: EXC. POL., FIRE, AMB.	9
OF04	28311237	TITLE EXAMINERS & ABSTRACTORS	9
OF04	53705359	MUNICIPAL CLERKS	9

## APPENDIX C

MONTANA  
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CLUS #	O.E.S. CODE	O.E.S. TITLE	ANNUAL OPENINGS TO 1995
OF06	15014017	INDUSTRIAL PRODUCTION MANAGERS	9
SK04	87311515	CONCRETE & TERRAZZO FINISHERS	9
SV10	53502286	WELFARE ELIGIBILITY WORKERS	9
TC05	22135057	MECHANICAL ENGINEERS	9
TC07	13017014	ENGINEER., MATH., NAT. SCI. MGR.	9
AG04	79005478	NURSERY WORKERS	8
CM03	34035171	ARTISTS & RELATED WORKERS	8
FR01	53123278	ADJUSTMENT CLERKS	8
FR01	53126340	STATEMENT CLERKS	8
FR02	21505035	SPECIAL AGENTS, INSURANCE	8
HE09	27108095	PSYCHOLOGISTS	8
MK02	58026324	ORDER FILLERS, SALES	8
OF04	21511034	PERSONNEL, TRAIN., LABOR REL. SPEC	8
PS03	63044451	CROSSING GUARDS	8
SK01	85799623	ALL OTHER ELECTRIC., ELECTRO. MECH	8
SK02	85708572	HOME ENTERTAINMENT EQ. REPAIRERS	8
SK02	85944608	GAS APPLIANCE REPAIRERS	8
SK05	87708540	PAVING, SURFACING, TAMPING	8
SV02	97989875	ALL OTHER TRANSP., MAT. MOVING OPR	8
SV05	31114143	NURSING INSTRUCTORS	8
SV05	31218123	ART, DRAMA, & MUSIC TEACHERS	8
SV10	27308419	SOCIAL SERVICE TECHNICIANS	8
TC10	24599222	ALL OTHER SCIENCE TECHNICIANS	8
TC10	87921551	ROUSTABOUTS	8
AG01	24305078	AGRICULTURAL & FOOD SCIENTISTS	7
AG05	73011491	LOGGING TRACTOR OPERATORS	7
CM02	34008183	PUBLIC RELATIONS SPECIALISTS	7
CM04	92543733	PRINTING PRESS MACHINE OPERATOR	7
CM04	92905773	MOTION PICTURE PROJECTIONISTS	7
FR01	21199049	ALL OTHER FINANCIAL SPECIALISTS	7
FR03	43008259	SALES AGENTS, REAL ESTATE	7
FR03	43011260	REAL ESTATE APPRAISERS	7
FR03	53914361	REAL ESTATE CLERKS	7
OF04	13005021	PERSONNEL, TRAINING, LABOR REL. MGR	7
OF06	21902030	COST ESTIMATORS	7
PS03	63035452	PRIVATE DETECTIVE & INVESTIGATOR	7
SK05	85118581	MACHINERY MECHANICS: PLANT	7
SK10	92728747	PRESSING MACH. OPERATOR, TEXTILES	7
SV01	85938612	MOBILE HOME INSTALLER & REPAIRER	7
SV08	39011245	FUNERAL DIRECTORS & MORTICIANS	7
TC01	92926762	LOW PRESSURE BOILER OPERATOR	7
TC02	22311073	SURVEYING & MAPPING SCIENTISTS	7
TC06	89123637	JEWELERS & SILVERSMITHS	7
FR02	53311282	INSURANCE CLAIMS CLERKS	6
FR03	43005258	BROKERS, REAL ESTATE	6
HE03	32905200	MED./CLINICAL LAB. TECHNICIANS	6
HE05	32928207	SURGICAL TECHNICIANS	6

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CLUS #	O.E.S. CODE	O.E.S. TITLE	ANNUAL OPENINGS TO 1995
OF02	55317368	CORRESPONDENCE CLERKS	6
OF03	58008326	PRODUCTION, EXPEDITING CLERKS	6
OF06	15021020	MINING & RELATED MANAGERS	6
PS01	32508197	EMERGENCY MEDICAL TECHNICIANS	6
PS03	63099454	ALL OTHER PROTECTIVE SERVICE	6
SK07	89111645	TOOL GRINDERS, FILERS, SHARPENERS	6
SK09	55335354	CUSTOMER SERVICE REPS, UTILITIES	6
SK10	92721749	SEWING MACH. OPER., NON-GARMENT	6
SV02	97114839	TAXI DRIVERS & CHAUFFEURS	6
SV02	97199886	ALL OTHER MOTOR VEHICLE OPERATOR	6
SV02	97305845	LOCOMOTIVE ENGINEERS	6
SV05	31222126	ENGINEERING TEACHERS	6
SV05	31224130	MATHEMATICAL SCIENCE TEACHERS	6
TC04	95002827	WATER & WASTE TREAT. PLANT OPER.	6
TC06	85921613	MUSICAL INSTRUMENT REPAIR & TUNE	6
AG05	73008493	LOG HANDLING EQUIPMENT OPERATORS	5
CM03	34041251	INTERIOR DESIGNERS	5
FR01	21111040	TAX PREPARERS	5
FR01	53117353	CREDIT CHECKERS	5
HE08	32314166	SPEECH PATHOLOGISTS, AUDIOLOGISTS	5
HE08	66017405	PHYSICAL, CORRECT.THERAPY ASSIST	5
HE09	85908604	ELECTROMEDICAL & BIOMED. REPAIR.	5
MK03	92956763	CEMENTING & GLUING MACHINE OPER.	5
MK04	27311102	RECREATION WORKERS	5
MK04	68021421	USHERS, LOBBY ATT., TICKET TAKER	5
OF02	55341306	PAYROLL & TIMEKEEPING CLERKS	5
OF04	21508033	EMPLOYMENT INTERVIEWERS	5
OF04	28302234	LAW CLERKS	5
SK04	58099331	ALL OTHER MATERIAL WORKERS	5
SK04	87811522	GLAZIERS	5
SK04	98319898	HELPERS, ALL OTHER CONSTRUCTION	5
SK08	87814536	STRUCTURAL METAL WORKERS	5
SK09	58014323	METER READERS, UTILITIES	5
SK09	85502561	CENTRAL OFFICE & PBX INSTAL/RPR.	5
SK10	89517659	PRESSERS, DELICATE FABRICS	5
SV01	67008378	PEST CONTROLLERS & ASSISTANTS	5
TC01	95099828	ALL OTHER PLANT & SYSTEM OCC.	5
TC02	22199064	ALL OTHER ENGINEERS	5
TC10	87905545	BLASTERS & EXPLOSIVES WORKERS	5
TC10	87917552	SERVICE UNIT OPERATORS	5
AG01	24502223	BIOLOGICAL, AGRIC., FOOD TECHN.	4
AG02	72002469	FIRST LINE SUPERV.AG, FOREST, FISH	4
CM04	34023181	PHOTOGRAPHERS	4
FR01	25315045	FINANCIAL ANALYSTS, STATISTICAL	4
HE09	32108155	OPTOMETRISTS	4
HE09	32511158	PHYSICIAN ASSISTANTS	4
HE09	66026404	PHARMACY ASSISTANTS	4

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CLUS #	O.E.S. CODE	O.E.S. TITLE	ANNUAL OPENINGS TO 1995
MK03	92914777	PAPER GOODS MACHINE SETTER/OPER.	4
MK03	93953818	GRINDING & POLISHING, HAND	4
MK04	68023408	BAGGAGE PORTERS & BELLHOPS	4
OF02	58021332	MARKING CLERKS	4
OF03	56008301	MAIL MACHINE OPERATORS	4
OF04	28105108	ADJUDICATORS & HEARING OFFICERS	4
OF04	28308238	TITLE SEARCHERS	4
OF04	53708285	LICENSE CLERKS	4
OF06	21905047	MANAGEMENT ANALYSTS	4
PS02	61002433	FIRE FIGHTING & PREV.SUPERVISORS	4
PS03	61005438	POLICE & DETECTIVE SUPERVISORS	4
SK02	85947602	COIN & VENDING MACHINE SERVICERS	4
SK04	87302508	BRICK MASONS	4
SK04	87508527	PIPELAYERS	4
SK04	87802525	INSULATION WORKERS	4
SK04	87899537	ALL OTHER CONSTRUCTION WORKERS	4
SK04	92311760	WOODWORKING MACHINE SETTER/OPER.	4
SK10	89508656	UPHOLSTERERS	4
SV02	97302848	RAILROAD CONDUCTORS, YARDMASTERS	4
SV05	31204124	CHEMISTRY TEACHERS	4
SV05	31517142	INSTRUCTIONAL COORDINATORS	4
SV06	89899631	ALL OTHER PRECISION FOOD, TOBACCO	4
SV08	68041461	FUNERAL ATTENDANTS	4
TC01	95032826	STATIONARY ENGINEERS	4
TC08	39002228	AIR TRAFFIC CONTROLLERS	4
TC10	22108059	MINING ENGINEERS, INC. SAFETY	4
TC10	87999557	ALL OTHER CONSTR. & EXTRACTIVE	4
TC10	95005829	GAS PLANT OPERATORS	4
AG03	22123065	AGRICULTURAL ENGINEERS	3
AG05	73005488	CHOKE SETTERS	3
AG06	63041445	FISH & GAME WARDENS	3
CM01	31111122	LECTURERS	3
CM01	34014186	BROADCAST NEWS ANALYSTS	3
CM04	89705651	JOB PRINTERS	3
CM04	92512732	OFFSET LITHOGRAPHIC PRESS SETTER	3
CM04	92541739	TYPESETTING MACH. OPERATOR/TEND.	3
FR02	21921027	CLAIMS EXAMINERS, INSURANCE	3
HE02	89921675	DENTAL LABORATORY TECHNICIANS	3
HE03	24399082	ALL OTHER LIFE SCIENTISTS	3
HE08	32317164	RECREATION THERAPISTS	3
HE09	32523194	DIETETIC TECHNICIANS	3
LA03	31508146	AUDIO-VISUAL SPECIALISTS	3
MK04	34058172	ATHLETE, COACH, UMPIRE & RELATED	3
MK04	68017416	GUIDES	3
OF02	55326325	PROCUREMENT CLERKS	3
OF03	57302315	MAIL CLERKS, EXC. MAIL MACHINE	3
OF06	21117043	BUDGET ANALYSTS	3



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CLUS #	O.E.S. CODE	O.E.S. TITLE	ANNUAL OPENINGS TO 1995
OF07	56014296	PERIPHERAL EDP EQUIP. OPERATORS	3
PS01	66023397	AMBULANCE DRIVERS & ATTENDANTS	3
PS03	63021446	PARKING ENFORCEMENT OFFICERS	3
SK01	93114792	ELECTRICAL, ELECTRONIC ASSEMBLER	3
SK01	98313894	HELPERS, ELECTRICIANS	3
SK04	87602513	CARPET INSTALLERS	3
SK04	87817521	FENCE ERECTORS	3
SK04	92314759	WOODWORKING MACHINE OPERATORS	3
SK04	98315896	HELPERS, PLUMBERS, PIPEFITTERS	3
SK05	97944865	CRANE & TOWER OPERATORS	3
SK07	89308665	WOOD MACHINISTS	3
SK08	87314535	REINFORCING METAL WORKERS	3
SK08	89132641	SHEET METAL WORKERS	3
SK10	89511655	SHOE & LEATHER WORKERS	3
SK10	89514660	SPOTTERS, DRY CLEANING	3
SV02	97808860	PARKING LOT ATTENDANTS	3
SV05	31206131	PHYSICS TEACHERS	3
SV05	31209133	ALL OTHER PHYS. SCIENCE TEACHERS	3
SV05	31226125	COMPUTER SCIENCE TEACHERS	3
SV06	89801627	BUTCHERS & MEATCUTTERS	3
SV06	89805626	BAKERS, MANUFACTURING	3
SV07	65011395	FOOD SERVERS, OUTSIDE	3
SV09	27502100	CLERGY	3
TC03	24505224	CHEMICAL TECHNICIANS, EXC.HEALTH	3
TC07	27102094	ECONOMISTS, MARKET ANALYSTS	3
TC10	97911874	WELL HEAD PUMPERS	3
TC10	97926877	DRAGLINE OPERATORS	3
CM03	34044175	MERCHANDISE DISPLAYERS	2
CM04	89711647	BOOKBINDERS	2
FR01	25313084	ACTUARIES	2
FR01	53108299	TRANSIT CLERKS	2
FR01	53111372	LOAN INTERVIEWERS	2
HE03	24311081	MEDICAL SCIENTISTS	2
HE08	32399167	ALL OTHER THERAPISTS	2
HE09	32926195	ELECTROCARDIOGRAPH TECHNICIANS	2
HE11	32111157	PODIATRISTS	2
LA02	31511147	CURATORS,ARCHIVISTS, MUSEUM TECH	2
LA04	34051178	MUSICIANS, INSTRUMENTAL	2
LA05	27199098	ALL OTHER SOCIAL SCIENTISTS	2
MK02	49032267	DEMONSTRATORS, PROMOTERS, MODELS	2
MK03	92944768	CUTTING & SLICING MACHINE OPER.	2
MK03	92971771	EXTRUDING & FORMING OPERATOR	2
MK03	92997785	ALL OTHER MACHINE SETTERS/OPER.	2
OF02	56099300	ALL OTHER OFFICE MACH. OPERATORS	2
OF02	58017330	WEIGHERS, MEASURERS, CHECKERS	2
PS03	63011441	POLICE DETECTIVES	2
SK01	85514563	RADIO MECHANICS	2



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CLUS #	O.E.S. CODE	O.E.S. TITLE	ANNUAL OPENINGS TO 1995
SK01	85599565	ALL OTHER COMMUN.EQUIP.MECHANICS	2
SK01	85717573	ELECTRONICS REPAIRERS, COMM.&IND.	2
SK01	85728569	ELECTRICAL INSTALLERS & REPAIRER	2
SK01	93905802	ELECTRICAL, ELECTRONIC ASSEMBLER	2
SK02	85714571	ELECTRIC MOTOR REPAIRERS	2
SK02	85926614	OFFICE MACHINE, REGISTER SERVICER	2
SK04	87108517	DRYWALL INSTALLERS	2
SK04	87111518	TAPERS	2
SK04	87305509	STONE MASONS	2
SK04	87505528	PIPELAYING FITTERS	2
SK04	98311892	HELPERS, MASONS & TILE SETTERS	2
SK04	98314895	HELPERS, PAINTERS, PLASTERERS	2
SK05	87702506	AIR HAMMER OPERATORS	2
SK06	85328599	SMALL ENGINE SPECIALISTS	2
SK07	92305756	HEAD SAWYERS	2
SK09	85721622	POWERHOUSE & RELAY ELECTRICIANS	2
SK10	85956611	MENDERS, GARMENTS & LINENS	2
SV05	31212128	HEALTH SPECIALTIES TEACHERS	2
TC01	95021831	POWER GENERATING PLANT OPERATOR	2
TC01	95028825	POWER DISTRIBUTORS & DISPATCHERS	2
TC03	24105088	CHEMISTS, EXCEPT BIOCHEMISTS	2
TC04	22132063	SAFETY ENGINEERS, EXCEPT MINING	2
TC06	83002669	PRECISION INSPEC., TESTERS, & GRADE	2
TC06	85917618	WATCHMAKERS	2
TC06	89999681	ALL OTHER PRECISION WORKERS	2
TC10	87943548	MINE CUTTING MACHINE OPERATORS	2
TC10	87989553	ALL OTHER EXTRACTIVE OCC., EX. HEL	2
AG01	79011475	GRADERS & SORTERS, AGRIC.PRODUCT	1
AG05	79008492	LOG GRADERS & SCALERS	1
CM01	34028229	BROADCAST TECHNICIANS	1
CM01	53911360	PROOFREADERS & COPY MARKERS	1
CM02	34005189	TECHNICAL WRITERS	1
CM02	53908334	ADVERTISING CLERKS	1
CM04	34026180	CAMERA OPERATORS, TV & MOVIES	1
CM04	89702648	PRECISION COMPOSITOR, TYPESETTER	1
CM04	92515731	LETTERPRESS SETTER/OPERATOR	1
CM04	92908778	PHOTOGRAPHIC PROCESSING MACH.OP.	1
FR01	53114352	CREDIT AUTHORIZERS	1
FR03	53128335	BROKERAGE CLERKS	1
HE07	32914204	NUCLEAR MEDICINE TECHNOLOGISTS	1
HE08	66021403	OCCUPATIONAL THERAPY ASSISTANTS	1
HE09	32199151	ALL OTHER HEALTH PRACTITIONERS	1
HE09	32923196	ELECTROENCEPHALOGRAPH TECHN.	1
MK02	49002272	SALES ENGINEERS	1
MK03	85928610	MECHANICAL CONTROL INSTAL.& REPR	1
MK03	92932769	DAIRY PROCESSING EQUIP. OPERATOR	1
MK03	92947776	PAINTERS, TRANSPORTATION EQUIP.	1

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CLUS #	O.E.S. CODE	O.E.S. TITLE	ANNUAL OPENINGS TO 1995
MK03	92953775	COATING, PAINTING MACH. OPER.	1
MK03	92962780	SEPARATING, FILTERING MACH. OP.	1
MK03	92968787	EXTRUDING, FORMING SETTER/OPER.	1
OF02	56005298	DUPLICATING MACHINE OPERATORS	1
OF03	53802313	TRAVEL CLERKS	1
OF03	57108289	CENTRAL OFFICE OPERATORS	1
OF03	57311316	MESSENGERS	1
OF04	21502032	CLAIMS TAKERS, UNEMPLOY.BENEFITS	1
OF07	56021356	DATA ENTRY KEYERS, COMPOSING	1
PS03	63023444	BAILIFFS	1
PS03	63028440	CRIMINAL INVESTIGATORS, FEDERAL	1
PS03	63038455	RAILROAD POLICE & SPECIAL AGENTS	1
SK01	85705568	DATA PROCESSING EQUIP. REPAIRERS	1
SK04	89314663	FURNITURE FINISHERS	1
SK05	85935616	RIGGERS	1
SK05	87714531	RAIL-TRACK LAYING EQUIP. OPER.	1
SK06	85317598	RAIL CAR REPAIRERS	1
SK06	85951601	BICYCLE REPAIRERS	1
SK07	91321696	MACHINE FORMING OPERATORS, M/P	1
SK07	91905722	PLASTIC MOLDING, CASTING OPER.	1
SK08	89902677	FOUNDRY MOLD & CORE MAKERS	1
SK08	91911718	METAL MOLDING, CASTING OPERATOR	1
SK09	85702575	TELEPHONE & CABLE TV INSTAL/RPR.	1
SK10	89599657	ALL OTHER PRECISION TEXTILE,APPA	1
SV06	89808630	FOOD BATCHMAKERS	1
TC01	95023821	AUXILIARY EQUIP. OPER., POWER	1
TC02	22308071	LANDSCAPE ARCHITECTS	1
TC03	22114053	CHEMICAL ENGINEERS	1
TC03	95008822	CHEMICAL PLANT & SYSTEM OPER.	1
TC05	22511215	MECHANICAL ENGINEERING TECHN.	1
TC06	89128634	PRECISION ETCHERS & ENGRAVERS	1
TC06	89917684	OPTICAL GOODS WORKERS	1
TC07	25312085	STATISTICIANS	1
TC09	22128056	INDUSTRIAL ENGINEERS,EXC. SAFETY	1
TC10	87911550	ROTARY DRILL OPERATORS	1
TC10	87923549	ROOF BOLTERS	1
TC10	97908869	OIL PUMPERS, EXCEPT WELL HEAD	1
TC10	97921880	GAS COMPRESSOR OPERATORS	1
TC10	97932868	UNDERGROUND LOADING MACH. OPER.	1
TC10	97953885	PUMP OPERATORS	1
AG01	79021496	FARM EQUIPMENT OPERATORS	0
AG05	73099494	ALL OTHER TIMBER CUTTING WORKERS	0
AG07	32114169	VETERINARIANS, VET. INSPECTORS	0
CM01	34017185	ANNOUNCERS, RADIO & TV	0
CM04	89708649	PRECISION LITHOGRAPHERS & PHOTO.	0
CM04	89799650	ALL OTHER PRECISION PRINTING	0
CM04	89914680	PHOTOGRAPHIC PROCESS WORKERS	0

MONTANA  
OCCUPATIONS RANKED BY  
ANNUAL OPENINGS TO 1995

CLUS #	O.E.S. CODE	O.E.S. TITLE	ANNUAL OPENINGS TO 1995
CM04	92519734	ALL OTHER PRINTING PRESS SET/OP.	0
CM04	92521737	PHOTOENGRAVING & LITH. PHOTOGRA.	0
CM04	92524738	SCREEN PRINTING MACH. SETTER/OP.	0
CM04	92525729	BINDERY MACHINE SETTER/OPERATOR	0
CM04	92545736	PHOTOENGRAVING & LITHOG. OPER.	0
CM04	92546728	BINDERY MACHINE OPERATORS	0
CM04	92599740	ALL OTHER PRINTING, BINDING, REL	0
FR02	53305281	INSURANCE APPRAISERS, AUTO DAMAG	0
FR02	53308283	INSURANCE EXAMINING CLERKS	0
FR03	15011022	PROPERTY, REAL ESTATE MANAGEMENT	0
HE08	32311168	CORRECT. & MANUAL ARTS THERAPIST	0
LA04	34056182	PROD.,DIRECT.,ACTORS,ENTERTAINER	0
MK03	89911676	DETAIL DESIGN DECORATORS & PAINT	0
MK03	89923683	MEDICAL APPLIANCE MAKERS	0
MK03	92917766	COOKING MACHINE OPER., FOOD/TOB.	0
MK03	92921779	ROASTING, DRYING OPER., FOOD/TOB.	0
MK03	92941786	CUTTING & SLICING SETTER/OPER.	0
MK03	92951788	COATING, PAINTING SETTER/OPER.	0
MK03	92958783	CLEANING, PICKLING EQUIP. OPER.	0
MK03	93935799	CANNERY WORKERS	0
MK03	93944807	MOLDERS & CASTERS, HAND	0
MK03	93947808	PAINTING & COATING, HAND	0
OF02	53505371	INVESTIGATORS, CLERICAL	0
OF02	55328362	STATISTICAL CLERKS	0
OF03	39008241	RADIO OPERATORS	0
OF03	57105290	DIRECTORY ASSISTANCE OPERATORS	0
OF03	57111292	TELEGRAPH & TELETYPE OPERATORS	0
OF03	57199293	ALL OTHER COMMUNICATION OPERATOR	0
OF08	25111240	PROGRAMMERS: NUMERICAL, TOOL	0
OF08	25302252	OPERATIONS & SYSTEMS ANALYSTS	0
PS02	63001434	FIRE INSPECTORS	0
PS03	63026449	U.S. MARSHALLS	0
SK02	85914620	CAMERA & PHOTOGRAPHIC REPAIRERS	0
SK03	91702709	WELDING MACHINE SETTER/OPERATOR	0
SK03	91705708	WELDING MACHINE OPERATORS	0
SK04	87105514	CEILING TILE INSTALLERS	0
SK04	87308523	HARD TILE SETTERS	0
SK04	87605538	FLOOR LAYERS,EX.CARPET,WOOD,TILE	0
SK04	93908800	COIL WINDERS, TAPERS, FINISHERS	0
SK04	98316897	HELPERS, ROOFERS	0
SK05	85511564	SIGNAL OR TRACK SWITCH MAINT.	0
SK05	87705541	PILE DRIVING OPERATORS	0
SK05	97905873	TANK CAR & TRUCK LOADERS	0
SK05	97940864	HOIST, WINCH, CRANE OPERATORS	0
SK05	97941866	HOIST & WINCH OPERATORS	0
SK06	85308594	MOTORCYCLE REPAIRERS	0
SK07	89102643	TOOL & DIE MAKERS	0

MONTANA  
OCCUPATIONS RANKED BY  
ANNUAL OPENINGS TO 1995

CLUS #	O.E.S. CODE	O.E.S. TITLE	ANNUAL OPENINGS TO 1995
SK07	89302664	PATTERN & MODEL MAKERS, WOOD	0
SK07	89905678	MOLDERS & SHAPERS, EXC. JEWELRY	0
SK07	91102702	SAWING MACH. TOOL SETTER/OP., M/P	0
SK07	91105695	LATHE, TURNING MACH. SETTER/OP., M/P	0
SK07	91108691	DRILLING, BORING MACH. SET/OP., M/P	0
SK07	91114694	GRINDING, BUFFING MACH. SET/OP., M/P	0
SK07	91302700	PUNCHING MACH. SETTER/OPER., M/P	0
SK07	91305699	PRESS, BRAKE MACH. SETTER/OP., M/P	0
SK07	92100724	ALL OTHER MET. & PLAS. MACH. SET/OPS	0
SK07	92302758	SAWING MACHINE SETTER/OPERATOR	0
SK07	93105795	MACHINE BUILDERS	0
SK08	87805543	SHEET METAL DUCT INSTALLERS	0
SK08	89135633	BOILERMAKERS	0
SK08	89199644	ALL OTHER PRECISION METAL WORKER	0
SK08	91714705	STRUCTURAL METAL FABRICATORS	0
SK08	91917712	ELECTROLYTIC PLATING SET/OP., M/P	0
SK08	93941106	METAL POURERS, BASIC SHAPES	0
SK09	22517219	ESTIMATORS & DRAFTERS, UTILITIES	0
SK09	85505562	FRAME WIRERS, CENTRAL OFFICE	0
SK10	92705753	TEXTILE MACHINE OPERATORS	0
SK10	92723750	SHOE SEWING MACHINE OPERATOR	0
SK10	93921810	PRESSERS, HAND	0
SK10	93923811	SEWERS, HAND	0
SK10	93926801	CUTTERS & TRIMMERS, HAND	0
SV01	67001375	JANITORS, CLEANERS, MAIDS	0
SV01	67011459	ELEVATOR OPERATORS	0
SV02	97308849	RAIL YARD ENGINEERS, DINKEY OPER.	0
SV02	97311846	LOCOMOTIVE FIRERS	0
SV02	97399888	ALL OTHER RAIL VEHICLE OPERATORS	0
SV02	97802876	BRIDGE, LOCK, LIGHTHOUSE TENDERS	0
SV03	68008413	MANICURISTS	0
SV06	93938805	MEAT, POULTRY, FISH CUTTERS	0
SV08	39014244	EMBALMERS	0
SV09	27505101	DIRECTORS, RELIGIOUS ACTIV./EDUC.	0
SV09	27599248	ALL OTHER RELIGIOUS WORKERS	0
TC01	22117060	NUCLEAR ENGINEERS	0
TC02	27105097	URBAN & REGIONAL PLANNERS	0
TC02	39005246	TRAFFIC TECHNICIANS	0
TC03	92935764	CHEMICAL EQUIP. CONTROLLER/OPER.	0
TC03	92938765	CHEMICAL EQUIPMENT TENDER	0
TC04	24108090	METEOROLOGISTS	0
TC06	85923609	LOCKSMITHS & SAFE REPAIRERS	0
TC06	89126635	PRECISION HAND WORKERS, JEWELRY	0
TC07	24102091	PHYSICISTS & ASTRONOMERS	0
TC07	25319086	ALL OTHER MATHEMATICAL SCIENTIST	0
TC07	25323225	MATHEMATICAL TECHNICIANS	0
TC08	85326589	AIRCRAFT ENGINE SPECIALISTS	0



## APPENDIX C

MONTANA  
OCCUPATIONS RANKED BY  
ANNUAL OPENINGS TO 1995

CLUS #	O.E.S. CODE	O.E.S. TITLE	ANNUAL OPENINGS TO 1995
TC09	22508214	INDUSTRIAL ENGINEERING TECHN.	0
TC10	22105058	METALLURGISTS & REL. ENGINEERS	0
TC10	22111061	PETROLEUM ENGINEERS	0
TC10	24511221	PETROLEUM TECHNICIANS & TECHNOL.	0
TC10	85117582	MACHINERY MECH.:UNDERGROUND MINE	0
TC10	87914547	DERRICK OPERATORS, OIL & GAS	0
TC10	87949558	ALL OTHER MINING MACH. OPERATORS	0
TC10	95011830	PETROLEUM PUMP SYSTEM OPERATORS	0
TC10	95014824	PETROLEUM REFINERY OPERATORS	0
TC10	95017823	GAUGERS	0
TC10	97914883	MAIN LINE STATION ENGINEERS	0
TC10	97917881	GAS PUMPING STATION OPERATORS	0
TC10	98323899	HELPERS, EXTRACTIVE WORKERS	0
AG07	79017473	ANIMAL CARETAKERS, EXCEPT FARM	-1
MK03	92923772	FURNACE, KILN, OVEN, KETTLE OPER.	-1
MK03	93999815	ALL OTHER HAND WORKERS	-1
SK05	97947867	INDUSTRIAL TRUCK & TRACTOR OPER.	-1
SK07	91117697	MACHINE TOOL CUTTING OPER., M/P	-1
SK07	91508688	COMBINATION MACH.TOOL OPER., M/P	-1
TC01	91935714	FURNACE OPERATORS & TENDERS	-1
SV02	97317847	RAILROAD BRAKE, SIGNAL, SWITCH	-2
SK09	85726574	TELEPH. STATION INSTALL.& REPAIR	-3
OF02	55302346	STENOGRAPHERS	-7
OF07	56017355	DATA ENTRY KEYERS, EX. COMPOSING	-7
*** Total ***			12909



MONTANA  
APPRENTICESHIP COMPLETERS

CLUS #	D.O.T. CODE	D.O.T. TITLE	APPR. COMP.
CM04	651.362-030	WEB-PRESS OPERATOR	2
MK02	279.357-062	SALESPERSON, PARTS	2
PS02	373.364-010	FIRE FIGHTER	3
SK01	721.281-018	ELECTRIC-MOTOR REPAIRER	1
SK01	824.261-010	ELECTRICIAN	10
SK01	828.281-010	ELECTRONICS MECHANIC	5
SK02	633.281-018	OFFICE-MACHINE SERVICER	1
SK02	637.261-014	ENVIRON.-CONTROL-SYST-INSTALLER-SERVICER	1
SK02	637.261-018	GAS APPLIANCE SERVICER	2
SK02	637.261-026	REFRIGERATION MECHANIC	1
SK04	660.280-010	CABINETMAKER	2
SK04	840.381-010	PAINTER (CONST.)	1
SK04	860.381-022	CARPENTER	8
SK04	862.281-022	PIPE FITTER	3
SK04	862.381-030	PLUMBER (CONST.)	7
SK04	864.481-010	FLOOR LAYER	1
SK04	866.381-010	ROOFER	1
SK05	638.281-018	MILLWRIGHT	1
SK05	859.683-010	OPERATING ENGINEER	3
SK06	620.261-010	AUTOMOBILE MECHANIC	4
SK06	620.281-062	TRANSMISSION MECHANIC	1
SK06	806.684-054	FIBERGLASS LAMINATOR (SHIP & BOAT)	1
SK06	807.381-010	AUTOMOBILE-BODY REPAIRER	2
SK07	600.280-022	MACHINIST (GENERAL)	1
SK07	701.381-014	SAW FILER	2
SK08	801.361-014	STRUCTURAL-STEEL WORKER	1
SK08	804.281-010	SHEET-METAL WORKER	6
SK08	805.261-014	BOILERMAKER	4
SK09	821.261-014	LINE MAINTAINER (UTILITY)	3
SK09	821.361-018	LINE ERECTOR (UTILITY)	11
SK09	821.361-026	LINE REPAIRER (UTILITY)	1
SK09	822.281-010	AUTOMATIC EQUIPMENT TECHNICIAN (TEL.)	2
SK09	822.281-014	CENTRAL-OFFICE REPAIRER (TEL.)	1
SK09	822.281-018	MAINTENANCE MECHANIC, TELEPHONE	4
SK09	822.361-014	CENTRAL-OFFICE INSTALLER (TEL.)	3
SK09	822.381-014	LINE INSTALLER-REPAIRER (TEL.)	6
SK09	862.361-014	GAS-MAIN FITTER	2
SV06	313.361-014	COOK (HOTEL/REST.)	1
SV06	316.684-018	MEAT CUTTER	2
SV06	525.381-014	BUTCHER, ALL-ROUND	1
SV06	526.381-010	BAKER	1
TC01	631.261-014	POWERHOUSE MECHANIC	6
TC01	950.382-010	BOILER OPERATOR	6
TC02	017.261-018	DETAILER	1
TC06	710.281-026	INSTRUMENT MECHANIC	1
*** Total ***			129

## APPENDIX E

MONTANA  
MILITARY RETURNEES

CLUS #	D.O.T. CODE	D.O.T. TITLE	MIL. RET.
CM01	131.267-018	REPORTER	1
CM03	141.061-022	ILLUSTRATOR	1
CM04	143.062-022	PHOTOGRAPHER, MOTION PICTURE	1
CM04	976.382-018	FILM DEVELOPER	1
HE02	079.371-010	DENTAL ASSISTANT	1
HE06	079.367-010	MEDICAL ASSISTANT	2
HE07	078.362-026	RADIOLOGIC TECHNOLOGIST	1
HE09	074.387-010	PHARMACY HELPER	1
HE09	075.264-010	NURSE PRACTITIONER	1
HE09	079.364-018	PHYSICIAN ASSISTANT	1
HE11	070.101-026	FAMILY PRACTITIONER	1
HE11	070.101-094	SURGEON I	1
HE11	070.107-014	PSYCHIATRIST	1
LA01	137.267-010	INTERPRETER	5
MK02	222.387-062	STOREKEEPER	1
OF01	216.382-010	ACCOUNTING CLERK, DATA PROCESSING	1
OF02	203.362-010	CLERK-TYPIST	2
OF02	203.582-018	CRYPTOGRAPHIC-MACHINE OPERATOR	5
OF02	215.482-010	PAYROLL CLERK	1
OF02	219.362-010	ADMINISTRATIVE CLERK	10
OF02	219.367-034	STOCK-CONTROL CLERK	2
OF02	222.367-038	MAGAZINE KEEPER	1
OF02	222.367-042	PARTS CLERK	1
OF02	222.387-050	SHIPPING & RECEIVING CLERK	1
OF02	222.387-058	STOCK CLERK	5
OF03	184.167-230	SUPERVISOR OF COMMUNICATIONS	1
OF03	193.262-022	RADIO OFFICER	2
OF03	193.262-034	RADIOTELEPHONE OPERATOR	12
OF03	193.362-014	RADIO-INTELLIGENCE OPERATOR	1
OF03	203.582-050	TELEGRAPHIC-TYPEWRITER OPERATOR	1
OF03	235.462-010	CENTRAL-OFFICE OPERATOR	1
OF04	119.267-026	PARALEGAL ASSISTANT	1
OF04	166.117-018	MANAGER, PERSONNEL RECRUITER	2
OF04	205.362-014	EMPLOYMENT CLERK	1
OF04	209.132-010	SUPERVISOR, PERSONNEL CLERKS	1
OF04	209.362-026	PERSONNEL CLERK	6
OF06	059.267-010	INTELLIGENCE SPECIALIST	5
OF06	166.167-042	SENIOR ENLISTED ADVISOR	1
OF06	186.117-014	CONTROLLER	1
OF07	213.362-010	COMPUTER OPERATOR (CLERICAL)	2
PS01	079.374-010	EMERGENCY MEDICAL TECHNICIAN	4
PS02	373.364-010	FIRE FIGHTER	3
PS03	372.667-034	GUARD, SECURITY	6
PS03	375.167-034	POLICE CAPTAIN, PRECINCT	1
PS03	375.263-014	POLICE OFFICER I	9
SK01	720.281-018	TELEVISION-&-RADIO REPAIRER	1
SK01	823.281-014	ELECTRICIAN, RADIO	1
SK01	824.261-010	ELECTRICIAN	1
SK01	825.281-014	ELECTRICIAN (WATER TRANSP.)	2

MONTANA  
MILITARY RETURNEES

CLUS #	D.O.T. CODE	D.O.T. TITLE	MIL. RET.
SK01	828.281-010	ELECTRONICS MECHANIC	16
SK02	637.261-026	REFRIGERATION MECHANIC	1
SK02	823.261-018	RADIO MECHANIC	6
SK02	825.281-030	ELEVATOR REPAIRER	1
SK03	819.384-010	WELDER, COMBINATION	2
SK04	860.381-022	CARPENTER	3
SK04	862.381-018	PIPE FITTER	1
SK04	869.687-026	CONSTRUCTION WORKER 2	4
SK05	620.261-022	CONSTRUCTION-EQUIPMENT MECHANIC	2
SK05	620.381-014	MECHANIC, ENDLESS TRACK VEHICLE	11
SK05	850.683-010	BULLDOZER OPERATOR I	2
SK05	850.683-046	UTILITY-TRACTOR OPERATOR	1
SK05	853.663-014	CONCRETE-PAVING-MACHINE OPERATOR	1
SK05	859.683-010	OPERATING ENGINEER	6
SK05	904.383-010	TRACTOR-TRAILER-TRUCK DRIVER	2
SK05	905.663-014	TRUCK DRIVER, HEAVY	4
SK05	921.683-050	INDUSTRIAL-TRUCK OPERATOR	1
SK05	950.382-026	STATIONARY ENGINEER	2
SK06	620.261-010	AUTOMOBILE MECHANIC	10
SK06	623.281-034	MAINTENANCE MECHANIC, ENGINE	8
SK06	625.281-026	GAS-ENGINE REPAIRER	2
SK06	806.381-046	SHIPFITTER	5
SK07	600.280-022	MACHINIST (GENERAL)	3
SK08	801.361-014	STRUCTURAL-STEEL WORKER	1
SK09	822.281-010	AUTOMATIC EQUIPMENT TECHNICIAN (TEL.)	1
SK09	822.281-014	CENTRAL-OFFICE REPAIRER (TEL.)	2
SK09	822.281-018	MAINTENANCE MECHANIC, TELEPHONE	1
SK09	822.381-014	LINE INSTALLER-REPAIRER (TEL.)	2
SV06	313.361-014	COOK (HOTEL/REST.)	12
SV06	313.381-010	BAKER	1
SV09	120.070-010	CLERGY MEMBER	1
TC01	631.261-014	POWERHOUSE MECHANIC	2
TC01	805.361-010	BOILERHOUSE MECHANIC	1
TC02	005.281-010	DRAFTER, CIVIL	1
TC04	168.267-042	FOOD & DRUG INSPECTOR	1
TC04	199.384-010	DECONTAMINATOR	2
TC06	019.061-022	ORDNANCE ENGINEER	1
TC06	710.281-026	INSTRUMENT MECHANIC	1
TC06	710.681-014	CALIBRATOR I	1
TC08	184.117-038	MANAGER, FLIGHT OPERATIONS	3
TC08	184.167-174	SUPERINTENDENT, MAINTENANCE	1
TC08	193.162-018	AIR-TRAFFIC-CONTROLLER SPECIALIST, TOWER	1
TC08	196.263-038	HELICOPTER PILOT	1
TC08	621.281-014	AIRFRAME-&-POWER-PLANT MECHANIC	34
TC08	621.381-022	PNEUMATIC TESTER & MECHANIC	1
TC08	632.261-010	AIRCRAFT-ARMAMENT MECHANIC	5
TC08	639.281-010	AVIATION SUPPORT EQUIPMENT REPAIRER	2
TC08	807.261-010	AIRCRAFT BODY REPAIRER	1
TC08	823.281-010	AVIONICS TECHNICIAN	6

## APPENDIX E

MONTANA  
MILITARY RETURNEES

CLUS #	D.O.T. CODE	D.O.T. TITLE	MIL. RET.
TC09	012.167-030	INDUSTRIAL ENGINEER	1
TC10	638.131-010	FUEL-SYSTEM-MAINTENANCE SUPERVISOR	1
TC10	914.382-014	PUMPER-GAGER	3
*** Total ***			300

MONTANA  
JOB SERVICE  
OPENINGS VS. APPLICANTS  
(DESCENDING ORDER)

CLUS #	D.O.T. CODE	D.O.T. TITLE	JOB SERVICE TOTAL OPENINGS	JOB SERVICE TOTAL APPS.
SK04	929.687-030	MATERIAL HANDLER	7530	2018
SV05	091.227-010	TEACHER, SECONDARY SCHOOL	4169	570
SV05	092.227-010	TEACHER, ELEMENTARY SCHOOL	2249	701
OF02	209.562-010	CLERK GENERAL	1086	1812
MK02	290.477-014	SALES CLERK	977	2300
SV07	311.477-014	COUNTER ATTENDANT, LUNCHROOM/COFFEE SHOP	920	1084
SV01	323.687-014	CLEANER, HOUSEKEEPING	856	1181
SV01	381.687-014	CLEANER, COMMERCIAL OR INSTITUTIONAL	809	676
SV06	318.687-010	KITCHEN HELPER (HOTEL/REST.)	755	1700
SV06	313.361-014	COOK (HOTEL/REST.)	745	1534
SK04	869.664-014	CONSTRUCTION WORKER I	722	1979
SV07	311.477-030	WAITER/WAITRESS, INFORMAL	665	2006
OF02	219.362-010	ADMINISTRATIVE CLERK	645	1401
MK02	211.462-010	CASHIER II	577	1604
SK04	869.687-026	CONSTRUCTION WORKER 2	520	1417
HE06	355.674-014	NURSE AIDE	515	1397
SV05	249.367-074	TEACHER AIDE II	511	297
SV01	301.474-010	HOUSE WORKER, GENERAL	417	273
OF03	299.357-014	TELEPHONE SOLICITOR	410	143
OF03	237.367-038	RECEPTIONIST	403	1111
OF05	201.362-030	SECRETARY	397	1328
MK02	920.687-014	BAGGER (GROCERY)	358	269
SV07	312.474-010	BARTENDER	338	1469
SK05	904.383-010	TRACTOR-TRAILER-TRUCK DRIVER	304	1235
SV06	313.361-022	COOK, SHORT ORDER 1	299	692
OF01	210.382-014	BOOKKEEPER I	259	1060
OF02	203.362-010	CLERK-TYPIST	231	412
OF02	222.387-058	STOCK CLERK	225	466
SK04	860.381-022	CARPENTER	212	1938
SK04	840.381-010	PAINTER (CONST.)	211	505
MK04	238.362-010	HOTEL CLERK (MOTEL)	210	371
SK05	950.382-026	STATIONARY ENGINEER	200	52
MK03	739.687-030	ASSEMBLER, ARRANGER	181	2
MK02	279.357-054	SALESPERSON, GENERAL MERCHANDISE	176	470
SK06	620.261-010	AUTOMOBILE MECHANIC	171	936
PS03	372.667-034	GUARD, SECURITY	166	168
SV10	309.677-010	COMPANION	166	87
SV01	899.381-010	MAINTENANCE REPAIRER, BUILDING	164	616
SK05	905.663-014	TRUCK DRIVER, HEAVY	155	1573
PS02	373.364-010	FIRE FIGHTER	153	130
AG05	452.687-014	FOREST-FIRE FIGHTER	149	145
OF01	210.382-018	BOOKKEEPER II	147	583
SV02	906.683-022	TRUCK DRIVER, LIGHT	147	528



## APPENDIX F

MONTANA  
JOB SERVICE  
OPENINGS VS. APPLICANTS  
(DESCENDING ORDER)

CLUS #	D.O.T. CODE	D.O.T. TITLE	JOB SERVICE TOTAL OPENINGS	JOB SERVICE TOTAL APPS.
OF04	201.362-010	LEGAL SECRETARY	137	233
FR01	211.362-010	CASHIER I (CLERICAL)	135	412
SV06	315.361-010	COOK (INSTITUTION)	135	391
OF02	169.167-010	ADMINISTRATIVE ASSISTANT	126	331
SK03	819.384-010	WELDER, COMBINATION	120	702
MK02	292.353-010	DRIVER, SALES ROUTE	117	274
SV02	919.687-014	CLEANER II (TRANSP. VEHICLES)	117	94
SV06	317.687-010	COOK HELPER (HOTEL/REST.)	113	249
AG05	452.364-010	FORESTER AIDE	109	487
HE10	075.374-010	NURSE, GENERAL DUTY (REGISTERED)	108	241
MK02	290.477-018	SALES CLERK, FOOD	104	161
SV04	359.677-018	NURSERY SCHOOL ATTENDANT	103	190
HE04	079.374-014	NURSE, LICENSED PRACTICAL	102	292
FR01	211.362-018	TELLER	101	274
MK02	254.357-014	SALES REPRESENTATIVE, ADVERTISING	96	74
MK02	261.357-066	SALESPERSON, WOMEN'S APPAREL & ACCESSORIES	95	141
OF07	213.362-010	COMPUTER OPERATOR (CLERICAL)	88	327
SK06	915.467-010	AUTOMOBILE-SERVICE-STATION ATTENDANT	88	371
PS03	372.667-038	MERCHANT PATROLLER	85	316
SK05	859.683-010	OPERATING ENGINEER	79	1672
SK10	787.682-046	SEWING-MACHINE OPERATOR	76	103
MK01	185.167-046	MANAGER, RETAIL STORE	74	1209
OF03	235.662-022	TELEPHONE OPERATOR	73	129
SK06	807.381-010	AUTOMOBILE-BODY REPAIRER	73	336
MK03	920.587-018	PACKAGER, HAND	69	143
OF03	209.587-026	MAIL CLERK	69	78
SV01	899.281-014	MAINTENANCE REPAIRER, FACTORY OR MILL	68	20
SV06	355.677-010	FOOD-SERVICE WORKER, HOSPITAL	68	101
OF01	216.482-010	ACCOUNTING CLERK	67	238
SK04	866.381-010	ROOFER	67	255
SV05	045.107-010	COUNSELOR, GUIDANCE	66	271
MK02	261.357-062	SALESPERSON, SHOES	65	40
SV02	913.463-010	BUS DRIVER	63	311
MK04	238.367-026	TICKET AGENT	59	39
OF02	203.582-066	TYPIST	58	35
MK02	250.257-010	SALES AGENT, INSURANCE	57	103
OF07	203.582-030	KEYPUNCH OPERATOR	57	84
OF01	160.167-010	ACCOUNTANT	55	293
PS03	372.667-018	CORRECTION OFFICER	51	35
SK01	824.261-010	ELECTRICIAN	51	493
OF03	205.367-054	SURVEY WORKER (INTERVIEWER)	50	29
AG05	929.683-010	LOGGING-TRACTOR OPERATOR	49	255
OF06	169.167-034	MANAGER, OFFICE	49	646

MONTANA  
JOB SERVICE  
OPENINGS VS. APPLICANTS  
(DESCENDING ORDER)

CLUS #	D.O.T. CODE	D.O.T. TITLE	JOB SERVICE TOTAL OPENINGS	JOB SERVICE TOTAL APPS.
MK02	279.357-050	SALESPERSON, GENERAL HARDWARE	48	92
OF02	206.362-010	FILE CLERK I	48	65
HE02	079.371-010	DENTAL ASSISTANT	44	166
SK04	844.364-010	CEMENT MASON	44	160
SV06	526.686-010	BAKER HELPER	43	51
SV03	332.271-010	COSMETOLOGIST	41	218
SK05	625.281-010	DIESEL MECHANIC	39	404
SV06	317.684-014	PANTRY GOODS MAKER	39	50
SV06	526.381-010	BAKER	39	126
OF08	012.167-066	SYSTEMS ANALYST, ELECT. DATA PROCESSING	38	95
SV10	195.107-010	CASEWORKER	38	53
MK02	279.357-062	SALESPERSON, PARTS	37	122
SK04	660.280-010	CABINETMAKER	37	91
OF01	160.162-014	AUDITOR	34	25
TC03	559.382-046	PILOT-CONTROL OPERATOR (CHEM.)	34	10
SK10	361.685-018	LAUNDRY WORKER II	32	58
SV02	913.463-018	TAXI DRIVER	32	59
HE01	201.362-014	MEDICAL SECRETARY	31	87
HE09	355.377-014	PSYCHIATRIC AIDE	31	67
SK10	361.687-018	LAUNDRY LABORER	31	83
SV07	187.167-106	MANAGER, FOOD SERVICE	31	477
SV05	090.227-010	FACULTY MEMBER, COLLEGE OR UNIVERSITY	29	113
SV06	526.684-010	DOUGHNUT MAKER	28	14
HE01	205.362-018	HOSPITAL-ADMITTING CLERK	25	40
SK05	638.281-014	MAINTENANCE MECHANIC	25	191
OF01	210.382-010	AUDIT CLERK	24	52
SV06	316.684-018	MEAT CUTTER	24	197
SV04	359.677-010	ATTENDANT, CHILDREN'S INSTITUTION	23	61
MK02	273.353-010	SALESPERSON, AUTOMOBILE	22	139
SK04	862.381-030	PLUMBER (CONST.)	22	157
MK04	159.124-010	COUNSELOR, CAMP	21	32
SK01	003.161-014	ELECTRONICS TECHNICIAN	21	162
TC02	005.061-014	CIVIL ENGINEER	21	81
OF02	215.482-010	PAYROLL CLERK	20	54
SK07	600.280-022	MACHINIST (GENERAL)	20	219
MK02	275.357-034	SALES REP., OFFICE MACHINES	19	22
OF06	188.137-010	SUPERVISOR (GOVT.)	19	34
SK01	726.684-018	ELECTRONICS ASSEMBLER	19	56
SK10	785.261-010	ALTERATION TAILOR	19	30
SV01	323.687-010	CLEANER, HOSPITAL	19	50
AG04	408.161-010	LANDSCAPE GARDENER	18	150
OF03	241.357-010	COLLECTION CLERK	18	35
OF04	110.107-010	LAWYER	17	59

## APPENDIX F

MONTANA  
JOB SERVICE  
OPENINGS VS. APPLICANTS  
(DESCENDING ORDER)

CLUS #	D.O.T. CODE	D.O.T. TITLE	JOB SERVICE TOTAL OPENINGS	JOB SERVICE TOTAL APPS.
HE06	245.362-014	WARD CLERK (MED.)	16	35
SK01	828.281-010	ELECTRONICS MECHANIC	15	150
SK02	637.261-014	ENVIRON.-CONTROL-SYST-INSTALLER-SERVICER	15	34
SK05	620.261-022	CONSTRUCTION-EQUIPMENT MECHANIC	15	171
SK06	625.281-034	SMALL ENGINE MECHANIC	15	85
HE06	355.674-018	ORDERLY	14	33
MK02	162.157-038	PURCHASING AGENT	14	87
OF03	235.662-026	TELEPHONE-ANSWERING-SERVICE OPERATOR	14	8
SV06	313.381-010	BAKER	14	15
TC02	001.261-010	DRAFTER, ARCHITECTURAL	14	61
CM02	165.067-010	PUBLIC-RELATIONS REPRESENTATIVE	13	60
MK01	299.137-010	MANAGER, DEPARTMENT	13	69
TC03	022.061-010	CHEMICAL-LABORATORY CHIEF	13	18
OF03	237.367-010	APPOINTMENT CLERK	13	9
SK06	915.687-018	LUBRICATION SERVICER	13	27
SK08	509.686-010	LABORER, GENERAL (IRON/STEEL)	13	25
SV01	915.473-010	PARKING-LOT ATTENDANT	13	13
OF02	209.687-010	CHECKER II (CLERICAL)	13	47
HE08	079.361-010	RESPIRATORY THERAPIST	12	26
MK03	741.684-026	PAINTER, SPRAY I	12	14
OF06	168.267-058	INSPECTOR, MOTOR VEHICLE	12	7
PS03	375.263-014	POLICE OFFICER I	12	142
FR02	214.362-022	INSURANCE CLERK	11	12
OF02	202.362-014	STENOGRAPHER	11	18
OF02	217.382-010	PROOF-MACHINE OPERATOR	11	35
SK02	633.281-018	OFFICE-MACHINE SERVICER	11	29
SK04	864.381-010	CARPET LAYER	11	52
SV06	313.361-030	COOK, SPECIALTY, FOREIGN FOOD	11	31
TC05	007.161-026	MECHANICAL-ENGINEERING TECHNICIAN	11	22
SK04	862.381-018	PIPE FITTER	10	189
SV03	330.371-010	BARBER	10	35
HE03	078.381-014	MEDICAL LABORATORY TECHNICIAN	9	26
HE09	041.061-030	BIOLOGIST	9	48
SK05	638.281-018	MILLWRIGHT	9	130
SV06	313.131-014	CHEF (HOTEL/REST.)	9	47
SV06	313.361-026	COOK, SPECIALTY	9	28
TC02	005.281-010	DRAFTER, CIVIL	9	40
TC10	549.260-010	REFINERY OPERATOR	9	16
LA03	100.127-014	LIBRARIAN	8	16
MK02	163.167-018	MANAGER, SALES	8	158
SK08	519.687-022	FOUNDRY WORKER, GENERAL	8	8
SK08	804.281-010	SHEET-METAL WORKER	8	138
SV07	311.677-010	CAFETERIA ATTENDANT	8	36

MONTANA  
JOB SERVICE  
OPENINGS VS. APPLICANTS  
(DESCENDING ORDER)

CLUS #	D.O.T. CODE	D.O.T. TITLE	JOB SERVICE TOTAL OPENINGS	JOB SERVICE TOTAL APPS.
AG03	624.281-010	FARM-EQUIPMENT MECHANIC	7	23
MK03	534.662-010	BACK TENDER, PAPER MACHINE	7	4
SK01	003.061-010	ELECTRICAL ENGINEER	7	58
SK04	865.381-010	GLAZIER	7	39
SK05	903.683-018	TANK-TRUCK DRIVER	7	17
SV02	915.667-010	CAR-WASH ATTENDANT, AUTOMATIC	7	21
SV10	187.167-186	RESIDENCE SUPERVISOR	7	22
OF04	205.362-014	EMPLOYMENT CLERK	6	32
SK05	850.683-010	BULLDOZER OPERATOR I	6	40
SV06	525.684-030	FISH CLEANER	6	6
TC03	029.261-010	LABORATORY TESTER	6	37
HE06	079.367-010	MEDICAL ASSISTANT	5	33
MK02	277.357-034	SALESPERSON, BOOKS	5	16
OF01	210.382-022	BOOKKEEPING-MACHINE OPERATOR	5	10
OF03	237.367-022	INFORMATION CLERK	5	6
OF03	249.167-014	DISPATCHER, MOTOR VEHICLE	5	31
PS03	375.587-010	PARKING ENFORCEMENT OFFICER	5	8
SK01	720.281-018	TELEVISION-&-RADIO REPAIRER	5	23
SK04	860.281-010	CARPENTER, MAINTENANCE	5	13
SK10	363.685-026	SHIRT PRESSER	5	1
SK10	780.381-018	FURNITURE UPHOLSTERER	5	20
SK10	782.684-058	CROCHETER, HAND	5	11
SV08	406.684-010	CEMETARY WORKER	5	25
TC05	007.061-014	MECHANICAL ENGINEER	5	26
AG01	404.687-014	HARVEST WORKER, FIELD CROP	4	6
AG01	529.687-186	SORTER, AGRIC. PRODUCE	4	57
CM02	131.267-026	WRITER, TECHNICAL PUBLICATIONS	4	27
FR02	214.482-022	RATER (INSURANCE)	4	9
HE08	076.121-014	PHYSICAL THERAPIST	4	5
MK02	261.357-050	SALESPERSON, MEN'S & BOYS' CLOTHING	4	25
MK02	261.357-054	SALESPERSON, MEN'S FURNISHINGS	4	8
MK03	819.684-010	WELDER, PRODUCTION LINE	4	5
OF02	206.367-014	FILE CLERK II	4	8
OF02	209.687-022	SORTER (CLERICAL)	4	1
SK06	845.381-014	PAINTER, TRANSPORTATION EQUIPMENT	4	19
OF06	160.267-018	ESTIMATOR	4	35
SK02	637.261-026	REFRIGERATION MECHANIC	4	32
SK04	861.381-018	BRICKLAYER	4	73
SK04	862.381-034	PLUMBER APPRENTICE	4	31
OF08	020.162-014	PROGRAMER, BUSINESS	4	64
SK10	783.682-014	SEWING-MACHINE OPERATOR	4	3
SV10	195.107-022	SOCIAL GROUP WORKER	4	32
TC10	930.684-026	ROTARY-DRILLER HELPER	4	290



## APPENDIX F

MONTANA  
JOB SERVICE  
OPENINGS VS. APPLICANTS  
(DESCENDING ORDER)

CLUS #	D.O.T. CODE	D.O.T. TITLE	JOB SERVICE TOTAL OPENINGS	JOB SERVICE TOTAL APPS.
CM04	209.387-030	PROOFREADER	3	4
HE05	079.374-022	SURGICAL TECHNICIAN	3	19
HE08	076.121-010	OCCUPATIONAL THERAPIST	3	6
OF08	219.367-026	PROGRAMER, DETAIL	3	4
SK01	638.261-022	PINSETTER MECHANIC, AUTOMATIC	3	23
MK03	649.685-014	BAG-MACHINE OPERATOR	3	0
MK03	920.685-078	PACKAGER, MACHINE	3	16
OF04	166.267-018	JOB ANALYST	3	7
MK02	273.357-022	SALES REP., MOTOR VEHICLES & SUPPLI	3	20
MK03	137.587-014	FIREWORKS ASSEMBLER	3	1
SK02	637.261-018	GAS APPLIANCE SERVICER	3	14
SK10	363.684-018	PRESSER, HAND	3	2
SV06	929.686-010	BAKERY WORKER	3	36
TC03	022.261-010	CHEMICAL LABORATORY TECHNICIAN	3	12
TC04	929.687-022	LABORER, SALVAGE	3	28
TC08	621.281-014	AIRFRAME-&-POWER-PLANT MECHANIC	3	90
SV04	359.677-026	PLAYROOM ATTENDANT	2	3
FR02	241.217-010	CLAIM ADJUSTER	2	31
SV07	319.137-010	FOOD-SERVICE SUPERVISOR (HOTEL/REST.)	2	24
HE03	078.361-014	MEDICAL TECHNOLOGIST	2	29
SV07	319.474-010	FOUNTAIN SERVER (HOTEL/REST.)	2	8
MK02	274.357-022	SALES REP., CONSTRUCTION MACHINERY	2	9
TC06	712.381-018	DENTAL-LABORATORY TECHNICIAN	2	10
OF06	185.167-014	MANAGER, AUTOMOBILE SERVICE STATION	2	58
SK02	823.261-018	RADIO MECHANIC	2	5
SK05	620.281-046	MAINTENANCE MECHANIC	2	23
SK07	638.684-018	MAINTENANCE-MECHANIC HELPER	2	8
SK09	822.281-018	MAINTENANCE MECHANIC, TELEPHONE	2	10
HE02	078.361-010	DENTAL HYGIENIST	2	18
MK02	251.357-014	SALES AGENT, BUSINESS SERVICES	2	2
OF02	247.367-010	CLASSIFIED-AD CLERK	2	9
OF06	187.167-154	MANAGER, THEATER	2	20
AG01	403.687-018	HARVEST WORKER, FRUIT	1	17
AG05	040.061-034	FORESTER	1	38
AG07	410.687-022	SHEEP HERDER	1	22
HE04	354.374-010	NURSE, PRACTICAL	1	24
HE09	074.161-010	PHARMACIST	1	24
HE09	077.117-010	DIETITIAN, CHIEF	1	2
MK02	292.483-010	COIN COLLECTOR	1	10
MK03	559.567-010	LABORER, GENERAL	1	2
MK03	754.684-030	FINISHER, HAND	1	0
MK03	806.381-058	TRAILER ASSEMBLER	1	3
TC04	954.382-014	WATER-TREATMENT-PLANT OPERATOR	1	11



MONTANA  
JOB SERVICE  
OPENINGS VS. APPLICANTS  
(DESCENDING ORDER)

CLUS #	D.O.T. CODE	D.O.T. TITLE	JOB SERVICE TOTAL OPENINGS	JOB SERVICE TOTAL APPS.
MK03	869.684-010	ASSEMBLER	1	26
TC06	710.281-026	INSTRUMENT MECHANIC	1	6
OF02	214.382-014	BILLING TYPIST	1	14
TC06	716.382-018	PRECISION-LENS GRINDER	1	6
OF03	235.462-010	CENTRAL-OFFICE OPERATOR	1	42
TC08	862.381-010	AIRCRAFT MECHANIC, PLUMBING & HYDRAULICS	1	10
PS03	189.167-034	SECURITY OFFICER	1	47
TC09	199.361-010	RADIOGRAPHER (INDUSTR.)	1	19
SK01	720.281-010	RADIO REPAIRER	1	8
SK10	361.665-010	WASHER, MACHINE	1	6
SK10	363.682-018	PRESSER, MACHINE	1	7
SK04	842.664-010	TAPER	1	39
SV01	899.684-022	MAINTENANCE-REPAIRER HELPER, FACTORY OR MILL	1	3
SK06	620.381-022	REPAIRER, HEAVY (AUTO.)	1	2
SV06	313.684-010	BAKER HELPER	1	5
SK07	626.281-010	MACHINE-REPAIRER, MAINTENANCE	1	4
TC02	018.167-010	CHIEF OF PARTY (SURVEY)	1	15
SK08	619.360-014	METAL FABRICATOR	1	5
TC03	008.061-018	CHEMICAL ENGINEER	1	8
SK01	726.381-010	ELECTRONICS INSPECTOR	1	11
SK07	556.685-038	INJECTION-MOLDING-MACHINE TENDER	1	0
SK07	705.687-014	LABORER, GRINDING & POLISHING	1	2
SK09	821.361-026	LINE REPAIRER (UTILITY)	1	20
SK05	921.663-010	BRIDGE-OR-GANTRY-CRANE OPERATOR	1	21
OF02	209.387-010	CODING CLERK	1	3
OF02	216.382-034	COST CLERK (CLERICAL)	1	6
OF08	020.167-022	PROGRAMER, ENGINEERING & SCIENTIFIC	1	7
SK01	003.281-010	DRAFTER, ELECTRICAL	1	8
SK01	721.281-018	ELECTRIC-MOTOR REPAIRER	1	5
AG01	404.687-010	FARMWORKER, FIELD CROP II	0	9
CM04	653.382-010	FOLDING-MACHINE OPERATOR	0	1
CM04	972.281-010	PROCESS ARTIST (PRINT./PUB.)	0	1
AG01	529.687-130	LABORER (SLAUGHT./MEAT PACKING)	0	9
CM04	976.487-010	PHOTOGRAPH FINISHER	0	7
AG07	073.101-010	VETERINARIAN	0	1
CM04	976.682-014	PRINTER OPERATOR, BLACK-&-WHITE	0	5
CM04	203.582-062	TYPESETTER-PERFORATOR OPERATOR	0	9
FR01	191.267-014	CREDIT ANALYST	0	4
CM04	650.582-014	MONOTYPE KEYBOARD OPERATOR	0	1
FR02	169.167-058	UNDERWRITER	0	20
AG01	410.684-010	FARMWORKER, DAIRY	0	49
CM01	163.167-014	MANAGER, CITY CIRCULATION	0	7
CM04	650.582-010	LINOTYPE OPERATOR	0	1

## APPENDIX F

MONTANA  
JOB SERVICE  
OPENINGS VS. APPLICANTS  
(DESCENDING ORDER)

CLUS #	D.O.T. CODE	D.O.T. TITLE	JOB SERVICE TOTAL OPENINGS	JOB SERVICE TOTAL APPS.
CM04	651.362-030	WEB-PRESS OPERATOR	0	1
AG01	920.687-134	PACKER, AGRICULTURAL PRODUCE	0	6
FR03	250.357-018	SALES AGENT, REAL ESTATE	0	70
HE02	072.101-010	DENTIST	0	5
HE08	076.364-010	OCCUPATIONAL THERAPY ASSISTANT	0	1
HE11	070.101-022	GENERAL PRACTITIONER	0	1
LA05	054.067-014	SOCIOLOGIST	0	11
MK03	012.167-042	MANUFACTURING ENGINEER	0	1
SK07	600.380-018	MACHINE SET-UP OPERATOR	0	5
SK07	601.280-046	TOOL-&-DIE MAKER	0	3
MK03	649.380-010	MACHINE SET-UP OPERATOR, PAPER GOODS	0	1
SK07	603.280-018	GRINDER OPERATOR, TOOL	0	2
MK03	659.662-010	PRINTER-SLOTTER OPERATOR	0	1
SK07	604.380-022	SCREW-MACHINE SET-UP OPERATOR, PRODUCTION	0	3
MK03	741.687-018	PAINTER, SPRAY II	0	6
SK07	604.685-026	LATHE OPERATOR, PRODUCTION	0	3
MK03	754.687-010	LABORER, GENERAL (MFG.)	0	2
SK07	609.684-014	LABORER, GENERAL (MACHINE SHOP)	0	2
MK03	763.684-014	CABINET ASSEMBLER	0	8
SK07	609.685-018	PRODUCTION MACHINE TENDER	0	5
MK03	806.684-010	ASSEMBLER, AUTOMOTIVE	0	4
SK07	615.482-022	PUNCH-PRESS OPERATOR	0	2
MK03	813.684-022	SOLDERER, PRODUCTION LINE	0	1
SK07	638.261-010	AUTOMATED EQUIPMENT ENGINEER-TECHNICIAN	0	2
MK03	827.684-010	APPLIANCE ASSEMBLER, LINE	0	1
SK07	691.382-010	EXTRUDING-MACHINE OPERATOR	0	2
MK03	920.687-126	MARKER II	0	3
SK08	619.260-008	ORNAMENTAL-METAL WORKER	0	1
OF02	216.482-022	CALCULATING-MACHINE OPERATOR	0	1
SK08	619.381-010	INSPECTOR (IRON/STEEL)	0	1
OF03	209.687-014	MAIL HANDLER	0	8
SK08	805.261-014	BOILERMAKER	0	65
SK01	003.061-014	ELECTRICAL TEST ENGINEER	0	2
SK08	809.281-010	LAY-OUT WORKER I	0	3
SK01	721.684-022	ELECTRIC-MOTOR ASSEMBLER	0	5
SK09	822.281-014	CENTRAL-OFFICE REPAIRER (TEL.)	0	1
SK01	724.684-026	COIL WINDER	0	5
SK09	862.684-014	LABORER, CONSTRUCTION OR LEAK GANG (UTIL.)	0	14
SK01	726.261-010	ELECTRONICS ASSEMBLER, DEVELOPMENTAL	0	1
SK10	142.061-018	CLOTHES DESIGNER	0	3
SK01	726.684-010	CAPACITOR-PACK-PRESS OPERATOR	0	4
SK10	361.687-014	CLASSIFIER (LAUNDRY)	0	3
SK01	729.384-010	ASSEMBLER, ELECTRICAL ACCESSORIES II	0	4

MONTANA  
JOB SERVICE  
OPENINGS VS. APPLICANTS  
(DESCENDING ORDER)

CLUS #	D.O.T. CODE	D.O.T. TITLE	JOB SERVICE TOTAL OPENINGS	JOB SERVICE TOTAL APPS.
SK10	362.684-010	DRY CLEANER, HAND	0	1
SK01	825.281-018	ELECTRICIAN, AIRPLANE	0	2
SK10	363.686-010	FLATWORK FINISHER	0	1
SK02	637.664-010	ENVIRONMENTAL-CONTROL-SYSTEM INSTALLER-SERVIC	0	2
SK10	685.665-014	KNITTING-MACHINE OPERATOR	0	1
SK02	639.281-018	SEWING-MACHINE REPAIRER	0	5
SK10	689.684-010	BURLER	0	3
SK04	842.361-010	LATHER	0	5
SK10	780.681-010	UPHOLSTERER, INSIDE	0	5
SK05	638.261-014	MACHINERY ERECTOR	0	1
SK10	780.682-018	UPHOLSTERY SEWER	0	1
SK06	862.261-010	PIPE FITTER (SHIP/BOAT)	0	6
SK10	789.687-070	GARMENT INSPECTOR	0	1
SK07	556.685-022	COMPRESSION-MOLDING-MACHINE TENDER	0	2
SK10	795.687-014	GLUER	0	1
SK07	557.382-010	EXTRUDER OPERATOR	0	2
SV01	389.684-010	EXTERMINATOR	0	4
MK03	649.687-010	PAPER SORTER & COUNTER	0	1
SV02	919.683-014	DRIVER	0	3
MK03	750.384-010	TIRE BUILDER, AUTOMOBILE	0	1
SV03	187.167-058	MANAGER, BARBER OR BEAUTY SHOP	0	3
MK03	806.381-026	ASSEMBLER, AIRCRAFT, STRUCTURES & SURFACES	0	1
SV06	316.684-010	BUTCHER, CHICKEN & FISH	0	4
MK03	826.361-010	ASSEMBLER & WIRER, INDUSTRIAL EQUIPMENT	0	1
SV06	525.687-082	POULTRY DRESSING WORKER	0	1
OF02	208.462-010	MAILING-MACHINE OPERATOR	0	3
SV06	529.686-014	CANNERY WORKER	0	12
OF06	189.117-022	MANAGER, INDUSTRIAL ORGANIZATION	0	25
SV06	529.687-074	EGG CANDLER	0	5
SK01	723.684-014	ASSEMBLER I	0	1
SV07	311.477-038	WAITER/WAITRESS, TAKE OUT	0	12
SK01	726.384-010	ELECTRONICS ASSEMBLER (INST.)	0	7
SV08	187.167-030	DIRECTOR, FUNERAL	0	9
SK01	729.687-010	ASSEMBLER, ELECTRICAL ACCESSORIES I	0	13
TC01	952.382-018	POWER-PLANT OPERATOR	0	9
SK02	639.281-014	COIN-MACHINE-SERVICE REPAIRER	0	11
TC02	005.281-014	DRAFTER, STRUCTURAL	0	3
SK04	842.361-018	PLASTERER	0	11
TC02	182.267-010	CONSTRUCTION INSPECTOR	0	26
SK06	863.381-014	PIPE COVERER & INSULATOR	0	2
TC03	008.261-010	CHEMICAL-ENGINEERING TECHNICIAN	0	1
MK03	575.382-014	FORMING-MACHINE OPERATOR	0	1
TC03	558.585-014	CHEMICAL OPERATOR II	0	1

## APPENDIX F

MONTANA  
JOB SERVICE  
OPENINGS VS. APPLICANTS  
(DESCENDING ORDER)

CLUS #	D.O.T. CODE	D.O.T. TITLE	JOB SERVICE TOTAL OPENINGS	JOB SERVICE TOTAL APPS.
MK03	759.584-010	RUBBER-GOODS INSPECTOR-TESTER	0	1
TC03	952.362-038	SWITCHBOARD OPERATOR (CHEM.)	0	3
MK03	828.381-014	PRECISION ASSEMBLER	0	3
TC04	551.485-010	WATER-TREATMENT-PLANT OPERATOR	0	4
SK01	003.281-014	DRAFTER, ELECTRONIC	0	3
TC06	712.664-010	DENTAL CERAMIST ASSISTANT	0	2
SK01	726.684-022	ELECTRONICS INSPECTOR II	0	3
TC06	712.681-018	FINISHER, DENTURE	0	1
SK03	811.684-014	WELDER, GAS	0	8
TC06	715.281-010	WATCH REPAIRER	0	4
SK07	556.685-066	PRESS TENDER	0	1
TC07	020.067-014	MATHEMATICIAN	0	2
MK03	809.684-010	ASSEMBLER, PRODUCTION LINE	0	1
TC08	193.162-018	AIR-TRAFFIC-CONTROLLER SPECIALIST, TOWER	0	5
SK01	726.130-010	SUPERVISOR, ELECTRONICS	0	2
SK06	620.281-010	AIR-CONDITIONING MECHANIC (AUTO.)	0	12
MK03	681.685-154	YARN WINDER	0	1
OF02	221.367-042	MATERIAL EXPEDITER	0	1
SK01	829.281-014	ELECTRICAL REPAIRER	0	19
TC08	352.367-010	AIRPLANE-FLIGHT ATTENDANT	0	9
TC08	621.261-018	FLIGHT ENGINEER	0	3
TC08	621.381-014	MECHANIC, AIRCRAFT ACCESSORIES	0	4
TC08	912.367-014	TRANSPORTATION AGENT	0	9
TC10	011.261-010	METALLURGICAL TECHNICIAN	0	4
*** Total ***			36188	62495



MONTANA  
JOB SERVICE  
APPLICANTS VS. OPENINGS  
(DESCENDING ORDER)

CLUS #	D.O.T. CODE	D.O.T. TITLE	JOB SERVICE TOTAL APPS.	JOB SERVICE TOTAL OPENINGS
MK02	290.477-014	SALES CLERK	2300	977
SK04	929.687-030	MATERIAL HANDLER	2018	7530
SV07	311.477-030	WAITER/WAITRESS, INFORMAL	2006	665
SK04	869.664-014	CONSTRUCTION WORKER I	1979	722
SK04	860.381-022	CARPENTER	1938	212
OF02	209.562-010	CLERK GENERAL	1812	1086
SV06	318.687-010	KITCHEN HELPER (HOTEL/REST.)	1700	755
SK05	859.683-010	OPERATING ENGINEER	1672	79
MK02	211.462-010	CASHIER II	1604	577
SK05	905.663-014	TRUCK DRIVER, HEAVY	1573	155
SV06	313.361-014	COOK (HOTEL/REST.)	1534	745
SV07	312.474-010	BARTENDER	1469	338
SK04	869.687-026	CONSTRUCTION WORKER 2	1417	520
OF02	219.362-010	ADMINISTRATIVE CLERK	1401	645
HE06	355.674-014	NURSE AIDE	1397	515
OF05	201.362-030	SECRETARY	1328	397
SK05	904.383-010	TRACTOR-TRAILER-TRUCK DRIVER	1235	304
MK01	185.167-046	MANAGER, RETAIL STORE	1209	74
SV01	323.687-014	CLEANER, HOUSEKEEPING	1181	856
OF03	237.367-038	RECEPTIONIST	1111	403
SV07	311 477-014	COUNTER ATTENDANT, LUNCHROOM/COFFEE SHOP	1084	920
OF01	210.382-014	BOOKKEEPER I	1060	259
SK06	620.261-010	AUTOMOBILE MECHANIC	936	171
SK03	819.384-010	WELDER, COMBINATION	702	120
SV05	092.227-010	TEACHER, ELEMENTARY SCHOOL	701	2249
SV06	313.361-022	COOK, SHORT ORDER 1	692	299
SV01	381.687-014	CLEANER, COMMERCIAL OR INSTITUTIONAL	676	809
OF06	169.167-034	MANAGER, OFFICE	646	49
SV01	899.381-010	MAINTENANCE REPAIRER, BUILDING	616	164
OF01	210.382-018	BOOKKEEPER II	583	147
SV05	091.227-010	TEACHER, SECONDARY SCHOOL	570	4169
SV02	906.683-022	TRUCK DRIVER, LIGHT	528	147
SK04	840.381-010	PAINTER (CONST.)	505	211
SK01	824.261-010	ELECTRICIAN	493	51
AG05	452.364-010	FORESTER AIDE	487	109
SV07	187.167-106	MANAGER, FOOD SERVICE	477	31
MK02	279.357-054	SALESPERSON, GENERAL MERCHANDISE	470	176
OF02	222.387-058	STOCK CLERK	466	225
OF02	203.362-010	CLERK-TYPIST	412	231
FR01	211.362-010	CASHIER I (CLERICAL)	412	135
SK05	625.281-010	DIESEL MECHANIC	404	39
SV06	315.361-010	COOK (INSTITUTION)	391	135
MK04	238.362-010	HOTEL CLERK (MOTEL)	371	210
SK06	915.467-010	AUTOMOBILE-SERVICE-STATION ATTENDANT	371	88
SK06	807.381-010	AUTOMOBILE-BODY REPAIRER	336	73



MONTANA  
JOB SERVICE  
APPLICANTS VS. OPENINGS  
(DESCENDING ORDER)

CLUS #	D.O.T. CODE	D.O.T. TITLE	JOB SERVICE TOTAL APPS.	JOB SERVICE TOTAL OPENINGS
OF02	169.167-010	ADMINISTRATIVE ASSISTANT	331	126
OF07	213.362-010	COMPUTER OPERATOR (CLERICAL)	327	88
PS03	372.667-038	MERCHANT PATROLLER	316	85
SV02	913.463-010	BUS DRIVER	311	63
SV05	249.367-074	TEACHER AIDE I1	297	511
OF01	160.167-010	ACCOUNTANT	293	55
HE04	079.374-014	NURSE, LICENSED PRACTICAL	292	102
TC10	930.684-026	ROTARY-DRILLER HELPER	290	4
MK02	292.353-010	DRIVER, SALES ROUTE	274	117
FR01	211.362-018	TELLER	274	101
SV01	301.474-010	HOUSE WORKER, GENERAL	273	417
SV05	045.107-010	COUNSELOR, GUIDANCE	271	66
MK02	920.687-014	BAGGER (GROCERY)	269	358
SK04	866.381-010	ROOFER	255	67
AG05	929.683-010	LOGGING-TRACTOR OPERATOR	255	49
SV06	317.687-010	COOK HELPER (HOTEL/REST.)	249	113
HE10	075.374-010	NURSE, GENERAL DUTY (REGISTERED)	241	108
OF01	216.482-010	ACCOUNTING CLERK	238	67
OF04	201.362-010	LEGAL SECRETARY	233	137
SK07	600.280-022	MACHINIST (GENERAL)	219	20
SV03	332.271-010	COSMETOLOGIST	218	41
SV06	316.684-018	MEAT CUTTER	197	24
SK05	638.281-014	MAINTENANCE MECHANIC	191	25
SV04	359.677-018	NURSERY SCHOOL ATTENDANT	190	103
SK04	862.381-018	PIPE FITTER	189	10
SK05	620.261-022	CONSTRUCTION-EQUIPMENT MECHANIC	171	15
PS03	372.667-034	GUARD, SECURITY	168	166
HE02	079.371-010	DENTAL ASSISTANT	166	44
SK01	003.161-014	ELECTRONICS TECHNICIAN	162	21
MK02	290.477-018	SALES CLERK, FOOD	161	104
SK04	844.364-010	CEMENT MASON	160	44
MK02	163.167-018	MANAGER, SALES	158	8
SK04	862.381-030	PLUMBER (CONST.)	157	22
AG04	408.161-010	LANDSCAPE GARDENER	150	18
SK01	828.281-010	ELECTRONICS MECHANIC	150	15
AG05	452.687-014	FOREST-FIRE FIGHTER	145	149
OF03	299.357-014	TELEPHONE SOLICITOR	143	410
MK03	920.587-018	PACKAGER, HAND	143	69
PS03	375.263-014	POLICE OFFICER I	142	12
MK02	261.357-066	SALESPERSON, WOMEN'S APPAREL & ACCESSORIES	141	95
MK02	273.353-010	SALESPERSON, AUTOMOBILE	139	22
SK08	804.281-010	SHEET-METAL WORKER	138	8
PS02	373.364-010	FIRE FIGHTER	130	153
SK05	638.281-018	MILLWRIGHT	130	9
OF03	235.662-022	TELEPHONE OPERATOR	129	73

MONTANA  
JOB SERVICE  
APPLICANTS VS. OPENINGS  
(DESCENDING ORDER)

CLUS #	D.O.T. CODE	D.O.T. TITLE	JOB SERVICE TOTAL APPS.	JOB SERVICE TOTAL OPENINGS
SV06	526.381-010	BAKER	126	39
MK02	279.357-062	SALESPERSON, PARTS	122	37
SV05	090.227-010	FACULTY MEMBER, COLLEGE OR UNIVERSITY	113	29
SK10	787.682-046	SEWING-MACHINE OPERATOR	103	76
MK02	250.257-010	SALES AGENT, INSURANCE	103	57
SV06	355.677-010	FOOD-SERVICE WORKER, HOSPITAL	101	68
OF08	012.167-066	SYSTEMS ANALYST, ELECT. DATA PROCESSING	95	38
SV02	919.687-014	CLEANER II (TRANSP. VEHICLES)	94	117
MK02	279.357-050	SALESPERSON, GENERAL HARDWARE	92	48
SK04	660.280-010	CABINETMAKER	91	37
TC08	621.281-014	AIRFRAME-&-POWER-PLANT MECHANIC	90	3
SV10	309.677-010	COMPANION	87	166
HE01	201.362-014	MEDICAL SECRETARY	87	31
MK02	162.157-038	PURCHASING AGENT	87	14
SK06	625.281-034	SMALL ENGINE MECHANIC	85	15
OF07	203.582-030	KEYPUNCH OPERATOR	84	57
SK10	361.687-018	LAUNDRY LABORER	83	31
TC02	005.061-014	CIVIL ENGINEER	81	21
OF03	209.587-026	MAIL CLERK	78	69
MK02	254.357-014	SALES REPRESENTATIVE, ADVERTISING	74	96
SK04	861.381-018	BRICKLAYER	73	4
FR03	250.357-018	SALES AGENT, REAL ESTATE	70	0
MK01	299.137-010	MANAGER, DEPARTMENT	69	13
HE09	355.377-014	PSYCHIATRIC AIDE	67	31
OF02	206.362-010	FILE CLERK I	65	48
SK08	805.261-014	BOILERMAKER	65	0
OF08	020.162-014	PROGRAMER, BUSINESS	64	4
SV04	359.677-010	ATTENDANT, CHILDREN'S INSTITUTION	61	23
TC02	001.261-010	DRAFTER, ARCHITECTURAL	61	14
CM02	165.067-010	PUBLIC-RELATIONS REPRESENTATIVE	60	13
SV02	913.463-018	TAXI DRIVER	59	32
OF04	110.107-010	LAWYER	59	17
SK10	361.685-018	LAUNDRY WORKER II	58	32
SK01	003.061-010	ELECTRICAL ENGINEER	58	7
OF06	185.167-014	MANAGER, AUTOMOBILE SERVICE STATION	58	2
AG01	529.687-186	SORTER, AGRIC. PRODUCE	57	4
SK01	726.684-018	ELECTRONICS ASSEMBLER	56	19
OF02	215.482-010	PAYROLL CLERK	54	20
SV10	195.107-010	CASEWORKER	53	38
SK05	950.382-026	STATIONARY ENGINEER	52	200
OF01	210.382-010	AUDIT CLERK	52	24
SK04	864.381-010	CARPET LAYER	52	11
SV06	526.686-010	BAKER HELPER	51	43
SV06	317.684-014	PANTRY GOODS MAKER	50	39
SV01	323.687-010	CLEANER, HOSPITAL	50	19

## APPENDIX G

MONTANA  
JOB SERVICE  
APPLICANTS VS. OPENINGS  
(DESCENDING ORDER)

CLUS #	D.O.T. CODE	D.O.T. TITLE	JOB SERVICE TOTAL APPS.	JOB SERVICE TOTAL OPENINGS
AG01	410.684-010	FARMWORKER, DAIRY	49	0
HE09	041.061-030	BIOLOGIST	48	9
OF02	209.687-010	CHECKER II (CLERICAL)	47	13
SV06	313.131-014	CHEF (HOTEL/REST.)	47	9
PS03	189.167-034	SECURITY OFFICER	47	1
OF03	235.462-010	CENTRAL-OFFICE OPERATOR	42	1
MK02	261.357-062	SALESPERSON, SHOES	40	65
HE01	205.362-018	HOSPITAL-ADMITTING CLERK	40	25
TC02	005.281-010	DRAFTER, CIVIL	40	9
SK05	850.683-010	BULLDOZER OPERATOR I	40	6
MK04	238.367-026	TICKET AGENT	39	59
SK04	865.381-010	GLAZIER	39	7
SK04	842.664-010	TAPER	39	1
AG05	040.061-034	FORESTER	38	1
TC03	029.261-010	LABORATORY TESTER	37	6
SV07	311.677-010	CAFETERIA ATTENDANT	36	8
SV06	929.686-010	BAKERY WORKER	36	3
OF02	203.582-066	TYPIST	35	58
PS03	372.667-018	CORRECTION OFFICER	35	51
OF03	241.357-010	COLLECTION CLERK	35	18
HE06	245.362-014	WARD CLERK (MED.)	35	16
OF02	217.382-010	PROOF-MACHINE OPERATOR	35	11
SV03	330.371-010	BARBER	35	10
OF06	160.267-018	ESTIMATOR	35	4
OF06	188.137-010	SUPERVISOR (GOVT.)	34	19
SK02	637.261-014	ENVIRON.-CONTROL-SYST-INSTALLER-SERVICER	34	15
HE06	355.674-018	ORDERLY	33	14
HE06	079.367-010	MEDICAL ASSISTANT	33	5
MK04	159.124-010	COUNSELOR, CAMP	32	21
OF04	205.362-014	EMPLOYMENT CLERK	32	6
SK02	637.261-026	REFRIGERATION MECHANIC	32	4
SV10	195.107-022	SOCIAL GROUP WORKER	32	4
SV06	313.361-030	COOK, SPECIALTY, FOREIGN FOOD	31	11
OF03	249.167-014	DISPATCHER, MOTOR VEHICLE	31	5
SK04	862.381-034	PLUMBER APPRENTICE	31	4
FR02	241.217-010	CLAIM ADJUSTER	31	2
SK10	785.261-010	ALTERATION TAILOR	30	19
OF03	205.367-054	SURVEY WORKER (INTERVIEWER)	29	50
SK02	633.281-018	OFFICE-MACHINE SERVICER	29	11
HE03	078.361-014	MEDICAL TECHNOLOGIST	29	2
SV06	313.361-026	COOK, SPECIALTY	28	9
TC04	929.687-022	LABORER, SALVAGE	28	3
SK06	915.687-018	LUBRICATION SERVICER	27	13
CM02	131.267-026	WRITER, TECHNICAL PUBLICATIONS	27	4
HE08	079.361-010	RESPIRATORY THERAPIST	26	12

MONTANA  
JOB SERVICE  
APPLICANTS VS. OPENINGS  
(DESCENDING ORDER)

CLUS #	D.O.T. CODE	D.O.T. TITLE	JOB SERVICE TOTAL APPS.	JOB SERVICE TOTAL OPENINGS
HE03	078.381-014	MEDICAL LABORATORY TECHNICIAN	26	9
TC05	007.061-014	MECHANICAL ENGINEER	26	5
MK03	869.684-010	ASSEMBLER	26	1
TC02	182.267-010	CONSTRUCTION INSPECTOR	26	0
OF01	160.162-014	AUDITOR	25	34
SK08	509.686-010	LABORER, GENERAL (IRON/STEEL)	25	13
SV08	406.684-010	CEMETARY WORKER	25	5
MK02	261.357-050	SALESPERSON, MEN'S & BOYS' CLOTHING	25	4
OF06	189.117-022	MANAGER, INDUSTRIAL ORGANIZATION	25	0
SV07	319.137-010	FOOD-SERVICE SUPERVISOR (HOTEL/REST.)	24	2
HE04	354.374-010	NURSE, PRACTICAL	24	1
HE09	074.161-010	PHARMACIST	24	1
AG03	624.281-010	FARM-EQUIPMENT MECHANIC	23	7
SK01	720.281-018	TELEVISION-&-RADIO REPAIRER	23	5
SK01	638.261-022	PINSETTER MECHANIC, AUTOMATIC	23	3
SK05	620.281-046	MAINTENANCE MECHANIC	23	2
MK02	275.357-034	SALES REP., OFFICE MACHINES	22	19
TC05	007.161-026	MECHANICAL-ENGINEERING TECHNICIAN	22	11
SV10	187.167-186	RESIDENCE SUPERVISOR	22	7
AG07	410.687-022	SHEEP HERDER	22	1
SV02	915.667-010	CAR-WASH ATTENDANT, AUTOMATIC	21	7
SK05	921.663-010	BRIDGE-OR-GANTRY-CRANE OPERATOR	21	1
SV01	899.281-014	MAINTENANCE REPAIRER, FACTORY OR MILL	20	68
SK10	780.381-018	FURNITURE UPHOLSTERER	20	5
MK02	273.357-022	SALES REP., MOTOR VEHICLES & SUPPLI	20	3
OF06	187.167-154	MANAGER, THEATER	20	2
SK09	821.361-026	LINE REPAIRER (UTILITY)	20	1
FR02	169.167-058	UNDERWRITER	20	0
SK06	845.381-014	PAINTER, TRANSPORTATION EQUIPMENT	19	4
HE05	079.374-022	SURGICAL TECHNICIAN	19	3
TC09	199.361-010	RADIOGRAPHER (INDUSTR.)	19	1
SK01	829.281-014	ELECTRICAL REPAIRER	19	0
TC03	022.061-010	CHEMICAL-LABORATORY CHIEF	18	13
OF02	202.362-014	STENOGRAPHER	18	11
HE02	078.361-010	DENTAL HYGIENIST	18	2
SK05	903.683-018	TANK-TRUCK DRIVER	17	7
AG01	403.687-018	HARVEST WORKER, FRUIT	17	1
TC10	549.260-010	REFINERY OPERATOR	16	9
LA03	100.127-014	LIBRARIAN	16	8
MK02	277.357-034	SALESPERSON, BOOKS	16	5
MK03	920.685-078	PACKAGER, MACHINE	16	3
SV06	313.381-010	BAKER	15	14
TC02	018.167-010	CHIEF OF PARTY (SURVEY)	15	1
SV06	526.684-010	DOUGHNUT MAKER	14	28
MK03	741.684-026	PAINTER, SPRAY I	14	12



## APPENDIX G

MONTANA  
JOB SERVICE  
APPLICANTS VS. OPENINGS  
(DESCENDING ORDER)

CLUS #	D.O.T. CODE	D.O.T. TITLE	JOB SERVICE TOTAL APPS.	JOB SERVICE TOTAL OPENINGS
SK02	637.261-018	GAS APPLIANCE SERVICER	14	3
OF02	214.382-014	BILLING TYPIST	14	1
SK09	862.684-014	LABORER, CONSTRUCTION OR LEAK GANG (UTIL.)	14	0
SV01	915.473-010	PARKING-LOT ATTENDANT	13	13
SK04	860.281-010	CARPENTER, MAINTENANCE	13	5
SK01	729.687-010	ASSEMBLER, ELECTRICAL ACCESSORIES I	13	0
FR02	214.362-022	INSURANCE CLERK	12	11
TC03	022.261-010	CHEMICAL LABORATORY TECHNICIAN	12	3
SK06	620.281-010	AIR-CONDITIONING MECHANIC (AUTO.)	12	0
SV06	529.686-014	CANNERY WORKER	12	0
SV07	311.477-038	WAITER/WAITRESS, TAKE OUT	12	0
SK10	782.684-058	CROCHETER, HAND	11	5
SK01	726.381-010	ELECTRONICS INSPECTOR	11	1
TC04	954.382-014	WATER-TREATMENT-PLANT OPERATOR	11	1
LA05	054.067-014	SOCIOLOGIST	11	0
SK02	639.281-014	COIN-MACHINE-SERVICE REPAIRER	11	0
SK04	842.361-018	PLASTERER	11	0
TC03	559.382-046	PILOT-CONTROL OPERATOR (CHEM.)	10	34
OF01	210.382-022	BOOKKEEPING-MACHINE OPERATOR	10	5
SK09	822.281-018	MAINTENANCE MECHANIC, TELEPHONE	10	2
TC06	712.381-018	DENTAL-LABORATORY TECHNICIAN	10	2
MK02	292.483-010	COIN COLLECTOR	10	1
TC08	862.381-010	AIRCRAFT MECHANIC, PLUMBING & HYDRAULICS	10	1
OF03	237.367-010	APPOINTMENT CLERK	9	13
FR02	214.482-022	RATER (INSURANCE)	9	4
MK02	274.357-022	SALES REP., CONSTRUCTION MACHINERY	9	2
OF02	247.367-010	CLASSIFIED-AD CLERK	9	2
AG01	404.687-010	FARMWORKER, FIELD CROP II	9	0
AG01	529.687-130	LABORER (SLAUGHT./MEAT PACKING)	9	0
CM04	203.582-062	TYPESETTER-PERFORATOR OPERATOR	9	0
SV08	187.167-030	DIRECTOR, FUNERAL	9	0
TC01	952.382-018	POWER-PLANT OPERATOR	9	0
TC08	352.367-010	AIRPLANE-FLIGHT ATTENDANT	9	0
TC08	912.367-014	TRANSPORTATION AGENT	9	0
OF03	235.662-026	TELEPHONE-ANSWERING-SERVICE OPERATOR	8	14
SK08	519.687-022	FOUNDRY WORKER, GENERAL	8	8
PS03	375.587-010	PARKING ENFORCEMENT OFFICER	8	5
MK02	261.357-054	SALESPERSON, MEN'S FURNISHINGS	8	4
OF02	206.367-014	FILE CLERK II	8	4
SK07	638.684-018	MAINTENANCE-MECHANIC HELPER	8	2
SV07	319.474-010	FOUNTAIN SERVER (HOTEL/REST.)	8	2
SK01	003.281-010	DRAFTER, ELECTRICAL	8	1
SK01	720.281-010	RADIO REPAIRER	8	1
TC03	008.061-018	CHEMICAL ENGINEER	8	1
MK03	763.684-014	CABINET ASSEMBLER	8	0



MONTANA  
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CLUS #	D.O.T. CODE	D.O.T. TITLE	JOB SERVICE TOTAL APPS.	JOB SERVICE TOTAL OPENINGS
OF03	209.687-014	MAIL HANDLER	8	0
SK03	811.684-014	WELDER, GAS	8	0
OF06	168.267-058	INSPECTOR, MOTOR VEHICLE	7	12
OF04	166.267-018	JOB ANALYST	7	3
OF08	020.167-022	PROGRAMER, ENGINEERING & SCIENTIFIC	7	1
SK10	363.682-018	PRESSER, MACHINE	7	1
CM01	163.167-014	MANAGER, CITY CIRCULATION	7	0
CM04	976.487-010	PHOTOGRAPH FINISHER	7	0
SK01	726.384-010	ELECTRONICS ASSEMBLER (INST.)	7	0
SV06	525.684-030	FISH CLEANER	6	6
OF03	237.367-022	INFORMATION CLERK	6	5
AG01	404.687-014	HARVEST WORKER, FIELD CROP	6	4
HE08	076.121-010	OCCUPATIONAL THERAPIST	6	3
OF02	216.382-034	COST CLERK (CLERICAL)	6	1
SK10	361.665-010	WASHER, MACHINE	6	1
TC06	710.281-026	INSTRUMENT MECHANIC	6	1
TC06	716.382-018	PRECISION-LENS GRINDER	6	1
AG01	920.687-134	PACKER, AGRICULTURAL PRODUCE	6	0
MK03	741.687-018	PAINTER, SPRAY II	6	0
SK06	862.261-010	PIPE FITTER (SHIP/BOAT)	6	0
HE08	076.121-014	PHYSICAL THERAPIST	5	4
MK03	819.684-010	WELDER, PRODUCTION LINE	5	4
SK02	823.261-018	RADIO MECHANIC	5	2
SK01	721.281-018	ELECTRIC-MOTOR REPAIRER	5	1
SK08	619.360-014	METAL FABRICATOR	5	1
SV06	313.684-010	BAKER HELPER	5	1
CM04	976.682-014	PRINTER OPERATOR, BLACK-&-WHITE	5	0
HE02	072.101-010	DENTIST	5	0
SK01	721.684-022	ELECTRIC-MOTOR ASSEMBLER	5	0
SK01	724.684-026	COIL WINDER	5	0
SK02	639.281-018	SEWING-MACHINE REPAIRER	5	0
SK04	842.361-010	LATHER	5	0
SK07	600.380-018	MACHINE SET-UP OPERATOR	5	0
SK07	609.685-018	PRODUCTION MACHINE TENDER	5	0
SK10	780.681-010	UPHOLSTERER, INSIDE	5	0
SV06	529.687-074	EGG CANDLER	5	0
TC08	193.162-018	AIR-TRAFFIC-CONTROLLER SPECIALIST, TOWER	5	0
MK03	534.662-010	BACK TENDER, PAPER MACHINE	4	7
CM04	209.387-030	PROOFREADER	4	3
OF08	219.367-026	PROGRAMER, DETAIL	4	3
SK07	626.281-010	MACHINE-REPAIRER, MAINTENANCE	4	1
FR01	191.267-014	CREDIT ANALYST	4	0
MK03	806.684-010	ASSEMBLER, AUTOMOTIVE	4	0
SK01	726.684-010	CAPACITOR-PACK-PRESS OPERATOR	4	0
SK01	729.384-010	ASSEMBLER, ELECTRICAL ACCESSORIES II	4	0

MONTANA  
JOB SERVICE  
APPLICANTS VS. OPENINGS  
(DESCENDING ORDER)

CLUS #	D.O.T. CODE	D.O.T. TITLE	JOB SERVICE TOTAL APPS.	JOB SERVICE TOTAL OPENINGS
SV01	389.684-010	EXTERMINATOR	4	0
SV06	316.684-010	BUTCHER, CHICKEN & FISH	4	0
TC04	551.485-010	WATER-TREATMENT-PLANT OPERATOR	4	0
TC06	715.281-010	WATCH REPAIRER	4	0
TC08	621.381-014	MECHANIC, AIRCRAFT ACCESSORIES	4	0
TC10	011.261-010	METALLURGICAL TECHNICIAN	4	0
SK10	783.682-014	SEWING-MACHINE OPERATOR	3	4
SV04	359.677-026	PLAYROOM ATTENDANT	3	2
MK03	806.381-058	TRAILER ASSEMBLER	3	1
OF02	209.387-010	CODING CLERK	3	1
SV01	899.684-022	MAINTENANCE-REPAIRER HELPER, FACTORY OR MILL	3	1
MK03	828.381-014	PRECISION ASSEMBLER	3	0
MK03	920.687-126	MARKER II	3	0
OF02	208.462-010	MAILING-MACHINE OPERATOR	3	0
SK01	003.281-014	DRAFTER, ELECTRONIC	3	0
SK01	726.684-022	ELECTRONICS INSPECTOR II	3	0
SK07	601.280-046	TOOL-&-DIE MAKER	3	0
SK07	604.380-022	SCREW-MACHINE SET-UP OPERATOR, PRODUCTION	3	0
SK07	604.685-026	LATHE OPERATOR, PRODUCTION	3	0
SK08	809.281-010	LAY-OUT WORKER I	3	0
SK10	142.061-018	CLOTHES DESIGNER	3	0
SK10	361.687-014	CLASSIFIER (LAUNDRY)	3	0
SK10	689.684-010	BURLER	3	0
SV02	919.683-014	DRIVER	3	0
SV03	187.167-058	MANAGER, BARBER OR BEAUTY SHOP	3	0
TC02	005.281-014	DRAFTER, STRUCTURAL	3	0
TC03	952.362-038	SWITCHBOARD OPERATOR (CHEM.)	3	0
TC08	621.261-018	FLIGHT ENGINEER	3	0
MK03	739.687-030	ASSEMBLER, ARRANGER	2	181
SK10	363.684-018	PRESSER, HAND	2	3
MK02	251.357-014	SALES AGENT, BUSINESS SERVICES	2	2
HE09	077.117-010	DIETITIAN, CHIEF	2	1
MK03	559.567-010	LABORER, GENERAL	2	1
SK06	620.381-022	REPAIRER, HEAVY (AUTO.)	2	1
SK07	705.687-014	LABORER, GRINDING & POLISHING	2	1
MK03	754.687-010	LABORER, GENERAL (MFG.)	2	0
SK01	003.061-014	ELECTRICAL TEST ENGINEER	2	0
SK01	726.130-010	SUPERVISOR, ELECTRONICS	2	0
SK01	825.281-018	ELECTRICIAN, AIRPLANE	2	0
SK02	637.664-010	ENVIRONMENTAL-CONTROL-SYSTEM INSTALLER-SERVIC	2	0
SK06	863.381-014	PIPE COVERER & INSULATOR	2	0
SK07	556.685-022	COMPRESSION-MOLDING-MACHINE TENDER	2	0
SK07	557.382-010	EXTRUDER OPERATOR	2	0
SK07	603.280-018	GRINDER OPERATOR, TOOL	2	0
SK07	609.684-014	LABORER, GENERAL (MACHINE SHOP)	2	0

MONTANA  
JOB SERVICE  
APPLICANTS VS. OPENINGS  
(DESCENDING ORDER)

CLUS #	D.O.T. CODE	D.O.T. TITLE	JOB SERVICE TOTAL APPS.	JOB SERVICE TOTAL OPENINGS
SK07	615.482-022	PUNCH-PRESS OPERATOR	2	0
SK07	638.261-010	AUTOMATED EQUIPMENT ENGINEER-TECHNICIAN	2	0
SK07	691.382-010	EXTRUDING-MACHINE OPERATOR	2	0
TC06	712.664-010	DENTAL CERAMIST ASSISTANT	2	0
TC07	020.067-014	MATHEMATICIAN	2	0
SK10	363.685-026	SHIRT PRESSER	1	5
OF02	209.687-022	SORTER (CLERICAL)	1	4
MK03	737.587-014	FIREWORKS ASSEMBLER	1	3
AG07	073.101-010	VETERINARIAN	1	0
CM04	650.582-010	LINOTYPE OPERATOR	1	0
CM04	650.582-014	MONOTYPE KEYBOARD OPERATOR	1	0
CM04	651.362-030	WEB-PRESS OPERATOR	1	0
CM04	653.382-010	FOLDING-MACHINE OPERATOR	1	0
CM04	972.281-010	PROCESS ARTIST (PRINT./PUB.)	1	0
HE08	076.364-010	OCCUPATIONAL THERAPY ASSISTANT	1	0
HE11	070.101-022	GENERAL PRACTITIONER	1	0
MK03	012.167-042	MANUFACTURING ENGINEER	1	0
MK03	575.382-014	FORMING-MACHINE OPERATOR	1	0
MK03	649.380-010	MACHINE SET-UP OPERATOR, PAPER GOODS	1	0
MK03	649.687-010	PAPER SORTER & COUNTER	1	0
MK03	659.662-010	PRINTER-SLOTTER OPERATOR	1	0
MK03	681.685-154	YARN WINDER	1	0
MK03	750.384-010	TIRE BUILDER, AUTOMOBILE	1	0
MK03	759.584-010	RUBBER-GOODS INSPECTOR-TESTER	1	0
MK03	806.381-026	ASSEMBLER, AIRCRAFT, STRUCTURES & SURFACES	1	0
MK03	809.684-010	ASSEMBLER, PRODUCTION LINE	1	0
MK03	813.684-022	SOLDERER, PRODUCTION LINE	1	0
MK03	826.361-010	ASSEMBLER & WIRER, INDUSTRIAL EQUIPMENT	1	0
MK03	827.684-010	APPLIANCE ASSEMBLER, LINE	1	0
OF02	216.482-022	CALCULATING-MACHINE OPERATOR	1	0
OF02	221.367-042	MATERIAL EXPEDITER	1	0
SK01	723.684-014	ASSEMBLER I	1	0
SK01	726.261-010	ELECTRONICS ASSEMBLER, DEVELOPMENTAL	1	0
SK05	638.261-014	MACHINERY ERECTOR	1	0
SK07	556.685-066	PRESS TENDER	1	0
SK08	619.260-008	ORNAMENTAL-METAL WORKER	1	0
SK08	619.381-010	INSPECTOR (IRON/STEEL)	1	0
SK09	822.281-014	CENTRAL-OFFICE REPAIRER (TEL.)	1	0
SK10	362.684-010	DRY CLEANER, HAND	1	0
SK10	363.686-010	FLATWORK FINISHER	1	0
SK10	685.665-014	KNITTING-MACHINE OPERATOR	1	0
SK10	780.682-018	UPHOLSTERY SEWER	1	0
SK10	789.687-070	GARMENT INSPECTOR	1	0
SK10	795.687-014	GLUER	1	0
SV06	525.687-082	POULTRY DRESSING WORKER	1	0

## APPENDIX C

MONTANA  
JOB SERVICE  
APPLICANTS VS. OPENINGS  
(DESCENDING ORDER)

CLUS #	D.O.T. CODE	D.O.T. TITLE	JOB SERVICE TOTAL APPS.	JOB SERVICE TOTAL OPENINGS
TC03	008.261-010	CHEMICAL-ENGINEERING TECHNICIAN	1	0
TC03	558.585-014	CHEMICAL OPERATOR II	1	0
TC06	712.681-018	FINISHER, DENTURE	1	0
MK03	649.685-014	BAG-MACHINE OPERATOR	0	3
MK03	754.684-030	FINISHER, HAND	0	1
SK07	556.685-038	INJECTION-MOLDING-MACHINE TENDER	0	1
***	Total	***	62495	36188





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(6610)

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1000 copies of this publication were produced at a unit cost of \$5.725 per copy, for a total cost of \$5725.00 which includes \$4850.00 for printing and \$875.00 for distribution.